



#19

# SEQUENCE LISTING

<110> Kumar Verma, Sunil  
Singh, Lalji

<120> UNIVERSAL PRIMERS FOR WILDLIFE IDENTIFICATION

<130> U 013365-9

<140> 09/821,782

<141> 2001-03-29

<160> 255

<170> PatentIn version 3.1

<210> 1

<211> 25

<212> DNA

<213> Artificial

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<223> Universal primer "mcb 398" for amplifying fragment of cytochrome  
b gene of animal species

<400> 1  
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<210> 2

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<213> Artificial

<220>

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b gene of animal species

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<210> 3

<211> 23

<212> DNA

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<220>

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<210> 4

<211> 23

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<213> Artificial

<220>  
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<400> 4  
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ttcatccttc catttatcat ctgagctcta gcagcagtc acctcctatt ccttcacgag 120  
acaggatcta acaaccctc aggaatagta tccgactcag acaaaattcc attccaccca 180  
tactacacaa tcaaagatat cctgggcctt ctagtactaa tcttagcact catactactc 240  
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<210> 6  
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<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known tiger (Panthera tigris tigris) animal number 1 using primers mcb398 and mcb869

<400> 6  
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ttcatccttc catttatcat ctcagcccta gcagcagtc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 7  
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 <212> DNA  
 <213> bh226t

<220>  
 <221> misc\_feature  
 <223> DNA sequence generated from the known tiger (*Panthera tigris*  
 tigris) animal number 3 using primers mcb398 and mcb869

<400> 7	
tgaatctgag gaggtttctc agtagacaaa gccaccctga cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagtc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 8  
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 <212> DNA  
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<220>  
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 <223> DNA sequence generated from the known tiger (*Panthera tigris*  
 tigris animal number 3 using primers mcb398 and mcb869)

<400> 8	
tgaatctgag gaggtttctc agtagacaaa gccaccctga cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagtc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300

aacacccctc cccatatcaa gcgcgaat

328

<210> 9  
<211> 328  
<212> DNA  
<213> bhz45t

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known tiger (*Panthera tigris*  
tigris) animal number 4 using primers mcb398 and mcb869

<400> 9  
tgaatctgag gaggtttctc agtagacaaa gccaccctga cagattctt tgccttccac 60  
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag 120  
acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact cactactc 240  
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aacacccctc cccatatcaa gcgcgaat 328

<210> 10  
<211> 328  
<212> DNA  
<213> bhz56t

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known tiger (*Panthera tigris*  
tigris) animal number 5 using primers mcb398 and mcb869

<400> 10  
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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag 120  
acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact cactactc 240  
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta 300  
aacacccctc cccatatcaa gcgcgaat 328

<210> 11  
<211> 328  
<212> DNA

<213> bhz63t

<220>

<221> misc\_feature

<223> DNA sequence generated from the known tiger (*Panthera tigris*  
tigris) animal number 6 using primers mcb398 and mcb869

<400> 11

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag      120
acaggatcta acaacccttc aggaatagta tctgactcag acaaaatccc gttccaccca      180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc      240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta      300
aacacccttc cccatatcaa gcgcgaat                                     328
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<210> 12

<211> 328

<212> DNA

<213> bhz20wt

<220>

<221> misc\_feature

<223> DNA sequence generated from the known tiger (*Panthera tigris*  
tigris) animal number 1 using primers mcb398 and mcb869

<220>

<221> misc\_feature

<223> DNA sequence generated from the known white tiger (*Panthera*  
tigris tigris) animal number 1 using primers mcb398 and mcb869

<400> 12

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tgaatctgag gaggtttctc agtagacaaa gccaccctga cacgattctt tgccttccac      60
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag      120
acaggatcta acaacccttc aggaatagta tctgactcag acaaaatccc gttccaccca      180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc      240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta      300
aacacccttc cccatatcaa gcgcgaat                                     328
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<210> 13

<211> 328

<212> DNA

<213> bhz22wt

<220>  
 <221> misc\_feature  
 <223> DNA sequence generated from the known white tiger (Panthera tigris tigris) animal number 2 using primers mcb398 and mcb869

<400> 13  
 tgaatctgag gaggtctctc agtagacaaa gccaccctga cacgattctt tgccttccac 60  
 ttcatccttc catttatcat ctgagcccta gcagcagtc acctcctatt cctccatgag 120  
 acaggatcta acaaccctc aggaatagta tctgactcag acaaaatccc gttccaccca 180  
 tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc 240  
 gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta 300  
 aacaccctc cccatatcaa gcgcgaat 328

<210> 14  
 <211> 328  
 <212> DNA  
 <213> bh23wt

<220>  
 <221> misc\_feature  
 <223> DNA sequence generated from the known white tiger (Panthera tigris tigris) animal number 3 using primers mcb398 and mcb869

<400> 14  
 tgaatctgag gaggtctctc agtagacaaa gccaccctga cacgattctt tgccttccac 60  
 ttcatccttc catttatcat ctgagcccta gcagcagtc acctcctatt cctccatgag 120  
 acaggatcta acaaccctc aggaatagta tctgactcag acaaaatccc gttccaccca 180  
 tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc 240  
 gtccatttct caccagacct attaggggac cccgataact acatccccgc caaccctcta 300  
 aacaccctc cccatatcaa gcgcgaat 328

<210> 15  
 <211> 328  
 <212> DNA  
 <213> bh28wt

<220>  
 <221> misc\_feature  
 <223> DNA sequence generated from the known white tiger (Panthera tigris tigris) animal number 4 using primers mcb398 and mcb869

<400> 15  
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ttcatccttc catttatcat ctacagcccta gcagcagtc accctctatt cctccatgag 120  
acaggatcta acaaccctc aggaatagta tctgactcag acaaaatccc gtccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc 240  
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta 300  
aacaccctc cccatatcaa gcgcgaat 328

<210> 16  
<211> 328  
<212> DNA  
<213> gz1L

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known leopard (Panthera pardus)  
animal number 1 using primers mcb398 and mcb869

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known leopard (Panthera pardus)  
animal number 1 using primers mcb398 and mcb869

<400> 16  
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ttcatccttc catttatcat ctacagctcta gcagcagtc accctctatt ccttcacgag 120  
acaggatcta acaaccctc aggaatagta tccgactcag acaaaattcc attccaccca 180  
tactacacaa tcaaagatat cctgggcctt ctagtactaa tcctagcact catactactc 240  
gtcctattct caccagacct gttaggagac cccgataact acatccctgc caaccctcta 300  
aataccctc cccatatcaa gcctgaat 328

<210> 17  
<211> 328  
<212> DNA  
<213> gz2L

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known leopard (Panthera pardus)  
animal number 2 using primers mcb398 and mcb869

<220>

<221> misc\_feature  
<223> DNA sequence generated from the known leopared (Panthera pardus)  
animal number 2 using primers mcb398 and mcb869

<400> 17  
tgaatctgag gaggtttctc agtagacaaa gctaccttga cacgattctt tgccttccac 60  
ttcatccttc catttatcat ctacagctcta gcagcagtcc acctcctatt ccttcacgag 120  
acaggatcta acaaccctc aggaatagta tctgactcag acaaaattcc attccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcttagcact catactactc 240  
gtcctattct caccagacct gttgggagac cccgataact acatccccgc caaccctcta 300  
aataccctc cccatatcaa gcctgaat 328

<210> 18  
<211> 328  
<212> DNA  
<213> gz3L

<220>  
<221> misc\_feature  
<223> DNA sequence generatd from the known leopared (Panthera pardus)  
animal number 3 using primers mcb398 and mcb869

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known leopared (Panthera pardus)  
animal number 3 using primers mcb398 and mcb869

<400> 18  
tgaatctgag gaggtttctc agtagacaaa gctaccttga cacgattctt tgccttccac 60  
ttcatccttc catttatcat ctacagctcta gcagcagtcc acctcctatt ccttcacgag 120  
acaggatcta acaaccctc aggaatagta tctgactcag acaaaattcc attccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcttagcact catactactc 240  
gtcctattct caccagacct gttgggagac cccgataact acatccccgc caaccctcta 300  
aataccctc cccatatcaa gcctgaat 328

<210> 19  
<211> 327  
<212> DNA  
<213> gz21CL

<220>  
<221> misc\_feature



<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 1 using primers mcb398 and mcb869

<400> 19  
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ttcatcctcc cttttatcat ctcagcctta gcagcagttc accttctatt tctccatgaa 120  
aaggatccaa taaccctca ggaatggtat ccgattcaga caaaatcccg ttccaccgt 180  
actatacaat caaagatata ctaggcctcc tagttctaata tctagcgctc aactacttg 240  
ttctattctc cccagaccta ctaggagacc ctgacaatta cactcccgcc aaccctctaa 300  
ataccctcc ccatatcaag cctgaat 327

<210> 20  
<211> 327  
<212> DNA  
<213> gz22CL

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 2 using primers mcb398 and mcb869

<400> 20  
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ttcatcctcc cttttatcat ctcagcctta gcagcagttc accttctatt tctccatgaa 120  
aaggatccaa taaccctca ggaatggtat ccgattcaga caaaatcccg ttccaccgt 180  
actatacaat caaagatata ctaggcctcc tagttctaata tctagcgctc aactacttg 240  
ttctattctc cccagaccta ctaggagacc ctgacaatta cactcccgcc aaccctctaa 300  
ataccctcc ccatatcaag cctgaat 327

<210> 21  
<211> 328  
<212> DNA  
<213> darz14SL

<400> 21  
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ttcatccttc cttttatcat ctcagcccta gcagcagttc acctcctatt cctccatgag 120  
acaggatcta acaaccctc aggaatagta tctgactcag aaaaaatccc gttccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc 240

gtcctattct caccagacct attaggggac gccgataact acatccccgc caaccctcta 300  
aacacccctc cccatatcaa gcccgaaat 328

<210> 22  
<211> 328  
<212> DNA  
<213> darz15SL

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 2 using primers mcb398 and mcb869

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ttcatccttc catttatcat ctcagcccta gcagcagtc acctcctatt cctccatgag 120  
acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc 240  
gtcctattct caccagacct attaggggac gccgataact acatccccgc caaccctcta 300  
aacacccctc cccatatcaa gcccgaaat 328

<210> 23  
<211> 328  
<212> DNA  
<213> darz16SL

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 3 using primers mcb398 and mcb869

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ttcatccttc catttatcat ctcagcccta gcagcagtc acctcctatt cctccatgag 120  
acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc 240  
gtcctattct caccagacct attaggggac gccgataact acatccccgc caaccctcta 300  
aacacccctc cccatatcaa gcccgaaat 328

<210> 24  
<211> 328

<212> DNA  
<213> sbz22AL

<400> 24  
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acaggatcta ataaccctc aggaatggta tctgactcag ataaaattcc attccatcca 180  
tactatacaa tcaaagatat cctaggcctt ctagtactaa tcttaacact catactactc 240  
gtcctattct caccagacct attaggagat cccgacaact atacccccgc caatcctcta 300  
agcaccctc cccatatcaa acctgaat 328

<210> 25  
<211> 328  
<212> DNA  
<213> sbz38AL

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known asiatic lion (Panthera leopersica) animal number 2 using primers mcb398 and mcb869

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctggt cctccatgaa 120  
acaggatcta ataaccctc aggaatggta tctgactcag ataaaattcc attccatcca 180  
tactatacaa tcaaagatat cctaggcctt ctagtactaa tcttaacact catactactc 240  
gtcctattct caccagacct attaggagat cccgacaact atacccccgc caatcctcta 300  
agcaccctc cccatatcaa acctgaat 328

<210> 26  
<211> 328  
<212> DNA  
<213> sbz39AL

<220>  
<221> misc\_feature  
<223> DNA sequence generated from the known asiatic lion (Panthera leopersica) animal number 3 using primers mcb398 and mcb869

<400> 26  
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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctggt cctccatgaa 120

acaggatcta ataaccctc aggaatggtat tctgactcag ataaaattcc attccatcca	180
tactatacaa tcaaagatat cctaggcctt ctagtactaa tcttaacact catactactc	240
gtcctattct caccagacct attaggagat cccgacaact atacccccgc caatcctcta	300
agcaccctc cccatatcaa acctgaat	328

<210> 27  
 <211> 328  
 <212> DNA  
 <213> humsk

<220>  
 <221> misc\_feature  
 <223> DNA sequence gerated from the known human (Homo sapiens sapiens)  
 using primers mcb398 and mcb869

<400> 27	
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ttcatcttgc ccttcattat tgcagcccta gcagcactcc acctcctatt cttgcacgaa	120
acgggatcaa acaaccctc aggaatcacc tccattccg ataaaatcat cttccaccct	180
tactacacaa tcaaagacgc cctcggtta cttctcttcc ttctctcctt aatgacatta	240
acactattct caccagacct cctaggcgac ccagacaatt ataccctagc caaccctta	300
aacaccctc cccacatcaa gcccgat	328

<210> 28  
 <211> 328  
 <212> DNA  
 <213> chimss

<220>  
 <221> misc\_feature  
 <223> DNA sequence gerated from the known chimpanzee (pan troglodytes)  
 animal using primers mcb398 and mcb869

<400> 28	
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tttatcttac ccttcattat cacagcccta acaacacttc atctcctatt cttacacgaa	120
acaggatcaa ataaccctc gggaatcacc tccactccg aaaaattac cttccacccc	180
tactacacaa tcaaagatat ccttggtta ttcttttcc tccttctcct aatgacatta	240
acactattct caccagacct cctggcgat ccagacaact ataccctagc taaccctta	300

aacacccac cccacattaa acccgaat

328

<210> 29  
<211> 472  
<212> DNA  
<213> Cervus nippon centralis

<400> 29  
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caaccctaac ccgatttttc gctttccact ttattcttcc atttatcatc gcagcacttg 180  
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat 240  
cggacgcaga caaaatcccc ttccatcctt actacaccat taaagatata ttaggcatct 300  
tacttctagt actcttcccta atattactag tattattcgc accagacctg cttggagatc 360  
cagacaacta taccacagca aatccactca acacaccccc tcacatcaaa cctgaatgat 420  
acttcctatt tgcatacgca atcctacgat caattcccaa caaactagga gg 472

<210> 30  
<211> 472  
<212> DNA  
<213> Cervus nippon yesoensis

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caaccctaac ccgatttttc gctttccact ttattcttcc atttatcatc gcagcacttg 180  
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat 240  
cggacgcaga caaaatcccc ttccatcctt actacaccat taaagatata ttaggcatct 300  
tacttctagt actcttcccta atattactag tattattcgc accagacctg cttggagatc 360  
cagacaacta taccacagca aatccactca acacaccccc tcacatcaaa cctgaatgat 420  
acttcctatt tgcatacgca atcctacgat caattcccaa caaactagga gg 472

<210> 31  
<211> 472  
<212> DNA  
<213> Cervus nippon keramae

<400> 31  
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ttccatacat tggcacaaac ctagtcgaat ggatctgagg aggcttttca gtagataaag	120
caaccctaac ccgatttttc gccttccact ttattcttcc atttatcatc acagcactcg	180
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat	240
cggacgcaga caaaatcccc ttccatcctt actataccat taaagatatc ctaggcatct	300
tacttctagt actcttctcg atattactag tattattcgc accagacctg cttggagatc	360
cagacaacta caccocagca aatccgctca acacaccccc tcacatcaaa cctgaatgat	420
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<210> 32

<211> 472

<212> DNA

<213> Cervus nippon pulchellus

<400> 32

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caaccctaac ccgatttttc gccttccact ttattcttcc atttatcatc acagcactcg	180
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat	240
cggacgcaga caaaatcccc ttccatcctt actataccat taaagatatc ctaggcatct	300
tacttctagt actcttctcg atattactag tattattcgc accagacctg cttggagatc	360
cagacaacta caccocagca aatccgctca acacaccccc tcacatcaaa cctgaatgat	420
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<210> 33

<211> 472

<212> DNA

<213> Cervus nippon nippon

<400> 33

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caaccctaac ccgatttttc gccttccact ttattcttcc atttatcatc acagcactcg	180
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat	240
cggacgcaga caaaatcccc ttccatcctt actataccat taaagatatc ctaggcatct	300
tacttctagt actcttctcg atattactag tattattcgc accagacctg cttggagatc	360
cagacaacta caccocagca aatccgctca acacaccccc tcacatcaaa cctgaatgat	420

atttcctatt tgcatacgca atcctacgat caattcccaa caaactagga gg 472

<210> 34  
<211> 472  
<212> DNA  
<213> Cervus elaphus scoticus

<400> 34  
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caaccctaac ccgatttttc gctttccact ttattctccc atttatcatc gcagcactcg 180  
ctatagtaca cttactcttc cttcacgaaa caggatctaa taaccaaca ggaattccat 240  
cagacgcaga caaaatcccc ttctatcctt attataccat taaagatatc ttaggcatct 300  
tacttcttgt actcttctta atattactag tattattcgc accagaccta cttggagatc 360  
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<210> 35  
<211> 472  
<212> DNA  
<213> Cervus dama

<400> 35  
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caaccttaac tcgattcttc gctttccact ttattctacc attcatcatt gcggcacttg 180  
ctatagtaca ttactctttt cttcacgaga caggatccaa taaccaaca ggaatcccat 240  
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tattcctatt tctcttctta ataacactag tactatttgc accagacttg cttggagacc 360  
cagacaaata cactccagca aatccactca acacacctcc tcatattaaa cccgaatgat 420  
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<210> 36  
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<212> DNA  
<213> Rangifer tarandus

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caaccctaac	ccgatttttt	gcttttccact	ttattcttcc	atttattatc	gcagcactcg	180
ctatagtcca	tttgcttttc	cttcacgaaa	caggggtctaa	caatccaaca	ggaattccat	240
cagactcaga	taaaattcca	ttccatccct	attatactat	caaagacatt	ctaggcatcc	300
tactccta	tctcttccct	atactactag	tattatttgc	accagactta	ctaggagacc	360
cagacaacta	taccccagca	aaccactca	acactcccc	tcatattaaa	cctgaatgat	420
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<210> 37  
 <211> 472  
 <212> DNA  
 <213> Moschus fuscus

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caacactcac	tcgattcttt gcctttccact tcattctccc atttatcatc gcagcactcg 180
ctatggttca	cctactcttt ctccacgaaa caggatccaa caaccaca ggaatcacat 240
cagatataga	caaaatccca ttccaccct actacaccat caaagacatt ctagggtgtcc 300
tattactaat	cttagtctta ataacactag tactattcac acctgattta cttggagacc 360
cggacaatta	taccccagca aaccattaa atacgcccc acatattaaa cccgaatgat 420
atttcctatt	tgcatatgcc attctacgat caattccaa caaactagga gg 472

<210> 38  
 <211> 472  
 <212> DNA  
 <213> Moschus leucogaster

<400> 38	
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caacactcac	ccgattcttt gccttccact tcattctccc atttatcatc gcagcactcg 180
ctatggttca	cctactcttt ctccacgaaa caggatccaa caaccaca ggaatcacat 240
cagatataga	caaaatccca ttccaccct actacaccat caaagacatt ctagggtgtcc 300
tattactaat	cttagtctta ataacactag tactattcac acctgattta cttggagacc 360



cggacaatta	taccccagca	aaccatttaa	atacaccccc	acatattaaa	cccgaatgat	420
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<210> 39  
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 <212> DNA  
 <213> Moschus chrysogaster

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caacactcac	tcgattcttt	gccttccact tcattctccc atttatcatc gcagcactcg 180
ctatgggttca	cctactcttt	ctccacgaaa caggatccaa caaccaaca ggaatcatat 240
cagacataga	caaaatccca	ttccacccct actacaccat caaagacatt ctaggtgtcc 300
tattactaat	cctagtctta	ataacactag tactattcac acctgattta cttggagacc 360
cggacaatta	taccccggca	aaccatttaa atacgcccc acatattaaa cccgaatgat 420
atttcctatt	tgcatatgcc	atcctacgat caattcccaa caaactagga gg 472

<210> 40  
 <211> 472  
 <212> DNA  
 <213> Moschus berezovskii

<400> 40		
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caacactcac	ccgattcttt	gccttccact tcattctccc atttatcatc gcagcactcg 180
ctatgggttca	cctactcttt	ctccacgaaa caggatccaa caaccaaca ggaatcatat 240
cagacataga	caaaatccca	ttccacccct actacactat caaagacatt ctaggtgtcc 300
taataactaat	cttagtctta	atagtactag tactattcac acccgattta cttggagacc 360
cggacaatta	taccccagca	aaccatttaa acacaccacc acatattaaa cccgaatgat 420
atttcctatt	tgcatatgcc	attctacgat caattcccaa caaactagga gg 472

<210> 41  
 <211> 472  
 <212> DNA  
 <213> Moschus moschiferus

<400> 41

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caacactcac	ccgattcttt	gcctttcact	ttatctctcc	atttatcatt	gcagcactcg	180
ccatgggttca	tctactcttt	ctccatgaaa	caggatccaa	taaccaaca	ggaatcacat	240
cagacataga	caaaatccca	ttccacctct	actacaccat	caaagatatt	ctaggtatcc	300
tattactaat	cttaattctta	atagcactag	tgctatttac	acccgaccta	cttgagatc	360
cggacaacta	tactccagca	aaccattaa	atacactcc	acatattaaa	cccgaatggt	420
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<210> 42  
 <211> 472  
 <212> DNA  
 <213> *Kobus ellipsiprymnus*

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ttccatacat	tggcacaaac	ctagtcgaat	gaatctgagg	aggatttttca	gtagataagg	120
caacccttac	ccgcttcttc	gccttccact	ttattctccc	atttatcatc	gcggctatta	180
ccatagtcca	tcttctgttt	ctccatgaaa	caggatccaa	taatcccaca	ggaatctcat	240
cagacataga	taaaatccca	ttccacctct	actacaccat	caaagacatt	ctaggcgccc	300
tactactaat	cctagtccta	atactcctag	ttctattcgc	ccccgaccta	cttgagatc	360
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acttcttatt	cgcatatgca	attctacgat	caatcccca	caaactagga	gg	472

<210> 43  
 <211> 472  
 <212> DNA  
 <213> *Kobus megaceros*

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caacccttac	ccgcttcttc	gccttccact	ttatctctcc	atttatcatc	gcagctatcg	180
ctatagttca	cctactattc	cttcatgaaa	caggatctaa	caaccctaca	gggatttcat	240
cagacacaga	caaaatccca	ttccacctct	attataccat	caaagatatt	ctaggtgccc	300
tcctattaat	cctaatacta	atactcctag	tactatttgc	ccccgaccta	cttgagacc	360

ctgacaatta taccocagca aaccactta atacacctcc ccatattaaa ccggaatgat 420  
 attttattatt cgcatacgca attttacggt caattcctaa taaactggga gg 472

<210> 44  
 <211> 472  
 <212> DNA  
 <213> Redunca arundinum

<400> 44  
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 caacccttac ccgattcttc gccttcact ttatcctccc attcattatc acagccctcg 180  
 ctatagtaca cctactattc ctccacgaaa caggatccaa caaccctaca ggaatctcat 240  
 cagatgtaga caaaatccca ttctatccat actatactat caaggacgtc ctaggcgccc 300  
 tactgctaatt cctagtccta atgctcttag tattattcac ccctgacctt ctcgagatc 360  
 ccgacaatta tactccagca aatccactca acacaccccc tcatattaaa ccggaatgat 420  
 attttattatt tgcatatgca atcctacgat caatcccaa taaactagga gg 472

<210> 45  
 <211> 472  
 <212> DNA  
 <213> Redunca fulvorufula

<220>  
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<220>  
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 <222> (431)..(431)  
 <223> unknown

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 caaccctcac tcgattcttc gccttcact ttatcctccc atttatcatc atagccctcg 180  
 ctatagtcca cctactattc ctccatgaaa caggatccaa caacccaca ggggtttcat 240  
 cagayatgga caaaatccca ttccaccnt actacacat caaagayatt ctaggtgccc 300

tactactaat cctggcccta acactattag tactattcac ccctgaccta ctcgagagacc	360
cggacaatta caccgccagca aaccactca acacaccccc tcacatcaaa ccagaatggt	420
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<210> 46  
 <211> 472  
 <212> DNA  
 <213> Neotragus moschatus

<400> 46	
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caaccctcac cegatttttt gctttccact tcattctccc atttatcatc gcagcactcg	180
ccatagtcca cttactcttc ctacacgaaa caggatccaa caaccccaca ggaatctcat	240
cagacgcaga caaaatccca ttccacccct actacaccat taaagacatt ctaggcgcca	300
tcctactaat tctagtgcta acactcttag ttttatttgc acctgacctt ttaggagacc	360
cagacaacta ccccccgca aaccctctta acacgcctcc ccatatcaaa cccgaatgat	420
acttttttatt cgcatacgca atcctacgat caatccccaa taaactagga gg	472

<210> 47  
 <211> 472  
 <212> DNA  
 <213> Pelea capreolus

<400> 47	
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caaccctcac cegatttttt gctttccact ttattctccc atttatcatt gcagccctca	180
ccatagtaca cttgcttttt cttcatgaaa caggatctaa taaccccacg ggaattccat	240
ccgacataga caaaattcca ttccacccat actacaccat taaagatatt ctaggcgcct	300
tattactaat cctaatocta acactcctag tattatttac ccctgaccta ttaggagacc	360
ctgacaatta cacccttgca aaccgctca acacaccccc tcatatcaaa cccgaatgat	420
atttcttatt tgcatatgcg attctacgat caattcccaa caaactagga gg	472

<210> 48  
 <211> 472  
 <212> DNA  
 <213> Antilope cervicapra

<400> 48  
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caacccttac cggatttttc gccttccact ttatctctcc atttatcatt gcagccctta 180  
ccatagtaca cctactgttt ctccacgaaa caggatccaa caaccccaca ggaatctcat 240  
cagacgcaga caaaattcca ttccaccct actacactat caaagatctc ctaggagctc 300  
tactattaat ttttaaccctc atgcttctag tcctattctc accggacctg cttggagacc 360  
cagacaacta tacaccagca aaccactta atacaccccc acatatcaag cccgaatgat 420  
acttctatt tgcatacgca atcctccgat caattcctaa caaactagga gg 472

<210> 49  
<211> 472  
<212> DNA  
<213> Saiga tatarica

<400> 49  
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caaccctcac cggattcttc gccttccact tcctctctcc atttattatc gcagctctcg 180  
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cagattcaga caaaatccca ttccaccct actacacat taaagacatt ctaggcgccc 300  
tactacttat tctaactctc atacttctag tcctattttc accagacctg cttggagacc 360  
cagacaacta caccacagca aaccactta acacaccccc acatattaaa cccgaatgat 420  
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<210> 50  
<211> 472  
<212> DNA  
<213> Gazella dama

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caacactcac cggattcttt gccttccatt tcctctctcc attcatcatt gcagcccttg 180  
ccatagttca tctattattt cttcacgaaa caggatccaa caaccccaca ggaatttcat 240  
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tactattaat tctagccctc atactcctag ttctattcac accagatctg cttggagacc	360
cagacaacta cacaccagca aatccactca atacaccccc acatattaag cctgagcgat	420
atttcctatt tgcatacgca attctccgat caattcctaa taaactagga gg	472

<210> 51  
 <211> 472  
 <212> DNA  
 <213> Ourebia ourebi

<400> 51	
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caactctaac ccgattcttt gctttccact tcctcctccc attcatcatt gcagcccttg	180
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tcctactaat tctagccctc atgctcctag tcctattcac accagacctg cttggagacc	360
cagacaacta tacaccagca aaccactaa atacaccccc acatattaaa cctgagtggg	420
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<210> 52  
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 <212> DNA  
 <213> Gazela gazella

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cagacgcaga caaaatccca ttccacccct actacaccat caaggacatt ctaggagcac	300
tactactaat cctagttctt atactcctag ttctgttctc accggacctc ctcggagacc	360
cagacaacta tacaccagca aatccactca acacaccccc acacatcaaa cctgaatggg	420
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<210> 53  
 <211> 472  
 <212> DNA

<213> *Raphicerus melanotis*

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caaccctcac ccgattcttc gcttttcaact tcagttctcc atttatcatc gcagccctag 180  
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tcctattaat cctaaccctt atgcttctag ttctattcgc accagaccta ctcgagacc 360  
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<210> 54

<211> 472

<212> DNA

<213> *Madoqua kirkii*

<400> 54  
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caaccctcac ccgattcttc gccttccatt ttattctccc attcattatt gcagccctag 180  
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cagacaacta cacaccagca aatccccctta acacgcccc acacattaaa cctgaatgat 420  
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<210> 55

<211> 472

<212> DNA

<213> *Antilocapra americana*

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caaccctcac ccgattcttc gcattccact ttatctctcc attcatcatt gcagcactag 180  
ccatagtaca cttactattc ctccacgaaa caggatccaa caaccccaca ggaatcccat 240

cagacgcaga caaaatccca ttccacccat actacacccat caaagacatt ctaggagcac	300
tactaataat cttagcccta ataatactag tactattctc accagacctg ttaggagacc	360
ccgacaacta cacaccagct aaccactca acactcccc acacattaag ccagaatgat	420
atttcctatt cgcatacgca atcctacgat caatccctaa caaactagga gg	472

<210> 56  
 <211> 472  
 <212> DNA  
 <213> Tragulus javanicus

<400> 56	
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caacccttac acgattcttt gccttccact ttatccttcc atttatcatt acagccctag	180
tcctagtcca ccttttattt ctccacgaaa caggatctaa taaccccaca ggaatccct	240
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tagccctatt tctagcccta atactactag tcctattctc acccgacctc cttggagacc	360
cagataacta ccccccgcc aacccctta acacaccacc ccatatcaaa cccgaatgat	420
atttcttatt tgcatacgca attcttcggg caatccccaa taaactagga gg	472

<210> 57  
 <211> 472  
 <212> DNA  
 <213> Tragulus napu

<400> 57	
taccctgagg gcaaatatct ttttgaggag ctacagtcac cactaacctt ctttcagcaa	60
tcccctatat cggcaccgaa ctagttgaat gaatctgagg cgggttctca gtagacaaag	120
caacccttac acgatttttt gccttccact tcctcctccc atttgtcatt acagccctag	180
ccctagtcca tcttttattt ctccacgaga caggatcaaa taaccccaca ggaatccct	240
cagacgcaga caagatcccc ttccacccat actacacccat caaagatgtc ctaggggctc	300
tagtcctaact actagtcctt ctattactag tcctattttc accggacttg ttgggagacc	360
ccgacaatta cactccggca aacccctca acacaccacc tcatattaag ccagagtggg	420
atttcctatt cgcatacgca atcctacgat caatccccaa taaattagga gg	472

<210> 58  
 <211> 472



<212> DNA  
<213> Balaenoptera acutorostrata

<400> 58  
taccctgagg acaaatatca ttttgagggtg caaccgtcat caccaacctc ctatcagcaa 60  
tcccatatat tgggtactacc ttagtcgaat gaatctgagg tggcttctct gtagacaaag 120  
caacattaac acgctttttt gccttccact tcctcctccc ttttattatc ctagcattag 180  
caattgtcca cctcattttt ctccacgaaa caggatccaa taaccccaca ggtatcccat 240  
ctgacataga caaaatccca ttccaccctt actacacaat caaagacatt ctaggcgccc 300  
tactactaat tctaacccta ctagcactaa ccctattcgc accggacctg cttggagacc 360  
ccgacaacta taccacagca aacccactca gtaccccgagc acacattaaa ccagaatgat 420  
acttcctatt cgcatacgca atcctacgat caatccctaa taaactaggc gg 472

<210> 59  
<211> 472  
<212> DNA  
<213> Balaenoptera bonaerensis

<400> 59  
taccctgagg acaaatatca ttttgaggcg caaccgtcat caccaacctc ctatcagcaa 60  
tcccatatcat tgggtaccacc ttagttgaat gaatctgagg tggcttctct gtagacaaag 120  
caacattaac acgctttttt gccttccact tcctcctccc tttcattatc ctagcattag 180  
caattgtcca cctcattttt ctccgcgaaa caggatccaa taaccccaca ggtattccat 240  
ctgatataga caaaatccca ttccaccctt attacacaat caaagacatt ctaggcgccc 300  
tactactaat tctaacccta ctaacactaa ccctattcgc acccgacctg ctggagacc 360  
ccgacaacta caccacagca aacccactca gtaccccgagc acacattaaa ccagaatgat 420  
atcttctatt cgcatacgca atcctacgat caatcccaa taaactaggc gg 472

<210> 60  
<211> 472  
<212> DNA  
<213> Balaenoptera borealis

<400> 60  
taccctgagg acaaatatca ttttgaggcg caaccgtcat caccaacctc ttatcagcaa 60  
tcccatatcat tgggtactacc ctagtcgaat ggatctgagg cggtttctct gtagataaag 120  
caacactaac acgctttttt gccttccact tcattctccc cttcattatt ctagcactag 180  
caatgggtcca cctcattttt ctccatgaaa caggatccaa caaccccaca ggtattccat 240

ccgacataga caaaatccca ttccaccctt actacacagt taaagacatt ctaggcgccc	300
tactactaat cctaacccta ctaatactaa ccctattcgc acccgacctg cttggagacc	360
cagacaacta caccocagca aatccactca gtaccccagc acacattaaa ccagaatgat	420
atttcctatt tgcatacgca atcctacgat caatccccaa caaattaggc gg	472

<210> 61  
 <211> 472  
 <212> DNA  
 <213> Balaenoptera edeni

<400> 61	
taccctgagg acaaatatca ttttgaggcg caaccgtcat caccaacctc ttatcagcaa	60
tcccatacat tggctactacc ctagtcgaat gaatctgggg cggttttctct gtagataaag	120
caacactaac acgctttttt gccttcact ttatcctccc cttcattatt ctagcactag	180
caatggtcca cctcattttc ctccacgaaa caggatccaa taaccccaca ggtattccat	240
ccaacataga caaaatccca ttccaccctt attacacaac taaagacatt ctaggcgccc	300
tactactaat cctaacccta ctaatgctaa ccctattcgt acccgacctg cttggagacc	360
cagacaacta cactccagca aatccactca gtaccccac acacattaaa ccagaatgat	420
atttcctatt tgcatacgca atcctacgat caattcccaa caaattaggc gg	472

<210> 62  
 <211> 472  
 <212> DNA  
 <213> Eschrichtius robustus

<400> 62	
taccctgagg acaaatatca ttctgaggcg caaccgttat caccaacctc ctatcagcaa	60
tcccatacat tggcactacc ctagtcgaat gggctctgagg cggtttttct gtagataaag	120
caacactaac acgctttctt gccttcact tcctccttcc attcattatc ctagcactag	180
caattgtcca cctcattttc ctccacgaaa cgggatccaa caaccccaca ggcattccat	240
ccaacataga caatatccca ttccaccctt attacacaat taaagacata ctaggcgccc	300
tgctactaat cctaacccta ctaatactaa ccctattcgc acccgacctg ctcggagacc	360
cagacaacta taccocagca aacccactca gcaccccaac acatattaaa ccagagtgat	420
atttcctatt tgcatacgca atcctacgat cgatccccaa caaattaggc gg	472

<210> 63

<211> 472  
<212> DNA  
<213> *Balaenoptera musculus*

<400> 63  
tgccctgagg acaaatatca ttctgaggcg caaccgtcat caccaacctc ctatcagcaa 60  
tcccatacat tgggtactacc ctagtcgaat gaatctgagg cggtttttct gtggataaag 120  
caacactaac acgctttcttt gccttccact tcattctccc cttcatcatt atagcattag 180  
caatcgtcca cctcatcttc cttcacgaaa caggatccaa caaccccaca ggtatcccat 240  
ctgacataga taaaattcca ttccaccctt actacacaat taaagacatt ctaggcgccc 300  
tactactaat cctaacccta ctaatatata ctctatttgc acccgactta ctcgagagacc 360  
cagacaacta caccacagca aacccactca gtacccacgc acacattaaa ccagagtgat 420  
atttcctatt tgcatatgca atcctacgat caatcccaaa caaattaggc gg 472

<210> 64  
<211> 472  
<212> DNA  
<213> *Megaptera novaeangliae*

<400> 64  
taccctgagg acaaatatca ttctgaggcg caaccgtcat caccaacctt ctatcagcaa 60  
tcccatacat tgggtactacc ctagtcgaat gaatctgggg cggtttttcc gtagacaaag 120  
caacactaac acgttttcttt gctttccact tcattctccc cttcatcatt acagcattag 180  
caatcgtcca cctcatcttc ctccacgaaa caggatccaa caaccccaca ggcaccccat 240  
ccaacataga caaaatccca ttccaccctt actacacaat caaagacact ctaggcgccc 300  
tattactaat cctaacccta ctaatgttaa ccctattcgc acctgacctg cttggagacc 360  
cagataacta caccacagca aacccactca gtacccacgc acacattaaa ccagagtgat 420  
atttcctatt tgcatacgca atcctacgat caatcccaaa caaactaggc gg 472

<210> 65  
<211> 472  
<212> DNA  
<213> *Balaenoptera physalus*

<400> 65  
tgccctgagg acaaatatca ttctgaggcg caactgtaat cactaacctc ctatcagcaa 60  
tcccatacat tgggtaccacc ctagtcgaat gaatctgagg cggtttttct gtagataaag 120  
caacactaac acgctttttt gccttttact ttattctccc cttcatcatc ctagcattag 180

caattgtcca ccttattttc cttcacgaaa caggatccaa caaccccaca ggcattcccat	240
ccgacataga taaaatccca ttccaccctt accacacaat taaagacatt ctaggtgccc	300
tattactaat cctaactcta ctaatactaa ccctattcgc acccgaccta cttggagacc	360
cagacaacta taccacagca aacccactca gtaccccgagc acacattaaa ccagaatggt	420
attttctatt cgcatacgca atcctacgat caatcccca caaactaggc gg	472

<210> 66  
 <211> 472  
 <212> DNA  
 <213> *Caperea marginata*

<400> 66	
tgccctgagg acagatatca ttctgaggcg caaccgtcat caccaacctc ctatcagcaa	60
tcccatatat tgggtaccacc ctagttgaat gaatctgggg tggcttctcc gtagacaaag	120
cgacactaac tcgcttcttt gctttccact tcctcctccc ttctattatt ctagcgctag	180
cagctgttca tctccttttc ctccacgaaa caggatctaa caaccccaca ggcattcccat	240
ccaacataga caaaattcca ttccaccctt actacacaat taaagacatc ctgggcgtcc	300
tactactaat cctgacccta ctaatatata ccttatttac acctgacctg cttggagacc	360
ctgacaacta caccacagca aatcccttca gcaccccgagc acacatcaag ccagaatgat	420
acttcctatt tgcatatgca atcctacgat caattcctaa taaattagggt gg	472

<210> 67  
 <211> 472  
 <212> DNA  
 <213> *Cephalorhynchus commersonii*

<400> 67	
taccctgggg acagatatca ttttgagggtg caacagtcac caccaacctc ctatcagcaa	60
tcccctacat cgggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag	120
caacactaac acgctttttc gccttccact ttatcctccc attcatcatc acagcattag	180
cagccgtcca cctactattc ctacacgaaa caggatccaa caaccccaca ggaatcccat	240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggcgctt	300
tattcctaata cctaacccta ctagcattaa ccctatttgc ccccgaccta ctaggagacc	360
ctgataacta taccacagca aatccattaa gcacccccgc acacatcaaa ccagagtgat	420
acttcctatt cgcataatgca atcctacgat caattcccaa taaacttgga gg	472

<210> 68  
 <211> 472  
 <212> DNA  
 <213> Cephalorhynchus eutropia

<400> 68  
 taccctgggg acagatatca ttttgagggtg caacagtcac caccaacctc ctatcagcaa 60  
 tcccctacat cgggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag 120  
 caacactaac acgctttttc gccttccact ttatcctccc attcatcatc acagcattag 180  
 cagccgtcca cctactattc ctacacgaaa caggatccaa caaccccaca ggaatcccat 240  
 ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggcgctt 300  
 tattcctaatt cctaacccta ctagcactaa ccctattcgc cctgaccta ctaggagacc 360  
 ctgataacta taccacagca aatccattaa gcacccccgc acacatcaaa ccagaatgat 420  
 acttcctatt cgcatatgca atcctacgat caattcctaa taaacttgga gg 472

<210> 69  
 <211> 472  
 <212> DNA  
 <213> Lagenorhynchus obliquidens

<400> 69  
 taccctgagg acagatatca ttctgagggtg caacagtcac caccaacctc ctatcagcaa 60  
 tcccctacat cgggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag 120  
 caacactaac acgctttttc gctttccact ttatcctccc attcatcatc acagcattag 180  
 cagccgtcca cctactattc ctacacgaaa caggatccaa caaccccaca ggaatcccat 240  
 ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggcgctt 300  
 tattcctaatt tctaacccta ctagcactaa ccctattcac cctgaccta ctaggagacc 360  
 ctgataacta taccacagca aatccattaa gcacccccgc acacatcaaa ccagaatggt 420  
 acttcctatt cgcatatgca atcctacgat caattcctaa taaacttgga gg 472

<210> 70  
 <211> 472  
 <212> DNA  
 <213> Cephalorhynchus heavisidii

<400> 70  
 taccctgagg acaaatatca ttttgaggcg caacagtcac caccaacctc ctatcagcaa 60  
 tcccctacat cgggtactacc ttagtagaat gaatctgagg cggattttcc gtggacaaag 120  
 caacactaac acgctttttc gccttccact ttatcctccc attcatcatc acagcattag 180

cagccgtcca tctactattc ctacacgaaa caggatccaa caaccccaca ggaatcccat	240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggcgctt	300
tattccta at tctagcccta ctagcactaa ccctattcgc ccctgaccta ctgggagacc	360
ctgataacta taccocagca aatccattaa gcacccccgc acacatcaaa ccagaatgat	420
acttcctatt cgcataatgca atcctacgat caatccctaa taaacttgga gg	472

<210> 71  
 <211> 472  
 <212> DNA  
 <213> cephalorhynchus hectori

<400> 71	
taccctgagg acaaatatca ttttgagggtg caacagtcac caccaacctc ctatcagcaa	60
tcccctacat cggcactacc ttagtagaat gaatctgagg aggattttcc gtagacaaag	120
caacactaac acgctttttc gcttttccact ttatcctccc attcatcatc acagcattaa	180
cagccgtcca cctactattc ctacacgaaa caggatccaa caaccccaca ggaattccat	240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ttaggcgctt	300
tattccta at tctaactcta ctagcactaa ccctattcgc ccctgaccta ctaggagacc	360
ctgataacta taccocagca aatccattaa acacccccgc acacatcaaa ccagaatgat	420
acttcctatt cgcataatgca atcctacgat caattcctaa taaacttgga gg	472

<210> 72  
 <211> 472  
 <212> DNA  
 <213> Lagenorhynchus australis

<400> 72	
taccctgagg acagatatca ttttgagggtg caacagtcac caccaacctc ctatcagcaa	60
tcccctacat cgggtactacc ttagtagaat gaatctgagg cggattttcc gtagataaag	120
caacactaac acgctttttc gctttccact ttatcctccc attcatcatc acagcattag	180
cagccgtcca cttactattc ttacacgaaa caggatccaa caaccccaca ggaatcccat	240
ccaacataga cataatccca ttccaccctt actacacaac taaagacatc ctaggcgctt	300
tattccta at tctagcccta ctagcactaa ccctattcac ccctgaccta ctaggagacc	360
ctgacaacta taccocagca aatccattaa gcacccccgc acacatcaaa ccagaatgat	420
atttcctatt cgcataatgca atcctacgat caattcctaa taaactcgga gg	472

<210> 73  
<211> 472  
<212> DNA  
<213> *Lagenorhynchus cruciger*

<400> 73  
taccctgagg acagatatca ttttgaggtg caacagtcac caccaacctc ctatcagcaa 60  
tcccctacat cgggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag 120  
caacactaac acgctttttc gctttccact tcatcctccc attcatcatc acagcattag 180  
cagccgtcca cctgctattc ctacacgaaa caggatccaa caacccca ggaatcccat 240  
ccaacataga cataatccca ttccaccctt actacacaat taaagacatc ctaggcgctt 300  
tattcctaata cctaacccta cttagcactaa ccctgttcac ccctgaccta ctaggagacc 360  
ctgacaacta taccacagca aatccattaa gcacccccgc acacatcaaa ccagaatgat 420  
atttcctatt cgcatacgca atcctacgat caattcctaa taaactcgga gg 472

<210> 74  
<211> 472  
<212> DNA  
<213> *Lagenorhynchus obscurus*

<400> 74  
taccctgagg acagatatca ttttgaggtg caacagtcac caccaacctc ctatcagcaa 60  
tcccctacat tgggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag 120  
caacactaac acgctttttc gctttccact ttatcctccc attcatcatc acagcattag 180  
cagccgtcca cctactattc ctacacgaaa cagaatccaa caacccca ggaatcccat 240  
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctaggtgctt 300  
tattcctaata tctagcccta ctaacactaa ccttattcac ccccgaccta ctaggagacc 360  
ctgataacta taccacagca aatccattaa gcacccacgc acacatcaaa ccagaatgat 420  
atttcctatt cgcatacgca atcctacgat caattcctaa taaacttgga gg 472

<210> 75  
<211> 472  
<212> DNA  
<213> *Lissodelphis borealis*

<400> 75  
taccctgagg gcagatatca ttttgaggtg caaccgtcac caccaacctc ctatcagcaa 60  
tcccctacat cgggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag 120

caacactaac acgctttttc gctttccact ttatcctccc attcatcatc acagcattag	180
cagctgttca cctactattc ctacacgaaa caggatccaa caaccccaca ggaattccat	240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctgggcgctt	300
tattcttaat tctggcccta ctagcactaa ccctattcac ccctgacctt ttaggagacc	360
ctgataacta caccacagca aatccattaa gcaccctgc acacatcaaa ccagaatggt	420
acttcctatt tgcatacgca atcctacgat caattcctaa taaacttgga gg	472

<210> 76  
 <211> 472  
 <212> DNA  
 <213> *Lissodelphis peronii*

<400> 76	
taccctgagg acagatatca ttttgagggtg caaccgtcat caccaacctc ctatcagcaa	60
tcccctacat cgggtactacc ttagtagaat gaatctgagg cggattttcc gtagacaaag	120
caacactaac acgctttttc gctttccact ttatcctccc attcatcatc acagcattag	180
cagctgttca cctactgttc ctacacgaga caggatccaa taaccccaca ggaattccat	240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc ctgggcgctt	300
tattcttaat tctgacctta ctagcactaa ccctatttac ccctgacctg ttaggagatc	360
ctgataacta caccacagca aatccattaa gcaccctgc acacatcaaa ccagaatggt	420
actttctatt cgcatacgca atcctacgat caattcctaa taaacttgga gg	472

<210> 77  
 <211> 472  
 <212> DNA  
 <213> *Globicephala macrorhynchus*

<400> 77	
taccctgagg acagatatca ttctgaggcg caaccgtcat caccaatctc ctatcagcaa	60
tcccttacat cggcaccacc ttagtagaat gaatctgagg tggattttcc gtagacaaag	120
caacactaac acgttttttc gctttccact ttatcctccc attcatcatc acagcattag	180
tagctgtcca cctgctattc ctacacgaaa caggatccaa taaccccata ggaattccat	240
ccaacataga cataattcca ttccaccctt attatacaat taaagacatc ctaggcgccc	300
tactcttaat cctagcacta ctaacactaa ccctattcac ccctgacctt ctaggagacc	360
ctgataacta tactccagca aatccactaa gcaccctgc acacatcaaa ccagaatgat	420
atttcctatt cgcatacgca atcctacgat caattcccaa taaacttgga gg	472



<210> 78  
 <211> 472  
 <212> DNA  
 <213> Globicephala melas

<400> 78  
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 tcccttacat cggcactacc ttagtagaat gaatctgagg tggattttcc gtagacaaag 120  
 caacactaac acgttttttc gctttccact ttatcctccc attcatcatc acaacattag 180  
 tagctgtcca cctgctattc ctacacgaaa caggatccaa taaccccata ggaatcccat 240  
 ccaacataga cataattcca ttccaccctt attatacaat taaagatatc ctaggcgccc 300  
 tactcttaat cctagcacta ctaacactaa ccctattcac ccctgaccta ctaggagacc 360  
 ctgataacta tactccagca aaccactaa gcaccctgc acacatcaaa ccagaatgat 420  
 atttcctatt cgcatatgca atcttacgat caattcccaa taaacttga gg 472

<210> 79  
 <211> 472  
 <212> DNA  
 <213> Feresa attenuata

<400> 79  
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 tcccttacat cggcaccact ttagtagaat gaatctgagg tggattttcc gtagacaaag 120  
 caacactaac acgttttttc gctttccact ttatcctccc attcatcatc acagcattag 180  
 tagctgtcca cctgctattc ctacacgaaa caggatccaa taacccaca ggaatcccat 240  
 ccaacataga cataattcca ttccaccctt attatacaac taaagatatc ctaggtgccc 300  
 tactcttaat tctaacatta ctaacactaa ccctgttcac ccctgaccta ctaggagacc 360  
 ctgataacta tactccagca aaccactaa gcaccctgc acacatcaaa ccagagtgat 420  
 atttcctatt cgcgtatgca atcttacgat caattcctaa taaacttga gg 472

<210> 80  
 <211> 472  
 <212> DNA  
 <213> Peponocephala electra

<400> 80  
 taccctgagg acagatatca ttctgaggcg caaccgtcat caccaatctc ctatcagcaa 60  
 tcccttacat cggaaccacc ttagtagaat gaatctgagg tggattttcc gtagacaaag 120

caacactaac acgttttttc gttttccact tcctcctccc attcatcatc acagcattgg	180
tagctgtcca cctgctattc ctacacgaaa caggatccaa taaccctaca ggaatcccat	240
ccaacataga cataattcca ttccaccctt attatacaat taaagacatc ctaggcgctc	300
tactcttaat cttagcacta ctaacactaa ccctattcac ccctgaccta ctaggagacc	360
ctaacaacta taccacagca aaccactaa gcaccctgc acacatcaaa ccagaatgat	420
atttcctatt cgcatatgca atcttacgat caattcccaa taaacttgga gg	472

<210> 81  
 <211> 472  
 <212> DNA  
 <213> *Grampus griseus*

<400> 81	
taccctgagg acaaatatca ttctgaggcg caaccgtcat caccaatctc ctatcagcaa	60
tcccctacat cggtactact ttagtagaat gaatctgagg tggattttcc gtagacaaag	120
caacactaac acgttttttc gttttccact ttatcctccc attcatcatc acagcattag	180
tagctgttca cctgctattc ctacacgaga caggatccaa taacccaca ggaatcccat	240
ccaacataga cataattcca ttccaccctt attacacaat taaagacatc ctaggcgccc	300
tactcctaatt cctaacta ctaacactaa ccctattcac ccctgaccta ctaggagacc	360
ctgataacta cactccagca aaccgctaa gcaccctgc acacatcaaa ccagaatgat	420
atttcctatt cgcatatgca atcttgcat caattcccaa caaacttgga gg	472

<210> 82  
 <211> 472  
 <212> DNA  
 <213> *Pseudorca crassidens*

<400> 82	
taccctgagg acagatatca ttctgaggcg caaccgtcat caccaatctt ctatcagcaa	60
tcccctacat cggtaccact ttagtagaat gaatctgagg aggattttcc gtagacaaag	120
caacactaac acgttttttc actctccact ttatcctccc attcatcatt acagcactaa	180
cagctaccca cctactattc ctacacgaga ctggatccaa taacccaca ggaatcccat	240
ccaacataga cataattcca ttccaccctt attacacaat taaagatatc ctaggcgccc	300
tactcttaat tctaacta ctaacactaa ccctattcac ccccgaccta ctaggagacc	360
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<213> Lagenorhynchus acutus

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caacactgac acgctttttc gccttccatt tcctcctccc attcataatt acagcattag 180  
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<212> DNA  
<213> Orcinus orca

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<210> 85  
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<212> DNA  
<213> Orcaella brevirostris

<400> 85  
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 <213> Delphinus capensis

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<210> 87  
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 <213> Delphinus tropicalis

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ccaacataga cataatccca ttccaccctt attatacaat caaagatatc ctaggtgccc	300
tactcctaata ctttaacctta ctagcactga ccctattcac tcccgaccta ctaggagacc	360
ctgataacta taccocagca aatccactaa gcaccctgc acatatcaaa ccagaatgat	420

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<213> Delphinus delphis

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<210> 90  
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<212> DNA  
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ctgataacta	taccccagca	aatccactaa	gcaccctgc	acacatcaaa	ccagaatgat	420	
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<210> 91  
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 <212> DNA  
 <213> *Tursiops aduncus*

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tactccta	aat	cttaacccta	ctagcactaa	ccctattcac	ccccgaccta	ctaggaaacc	360
ctgataacta	tatcccagca	aatccactaa	gtacccccgc	acacatcaaa	ccagagtgat	420	
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<210> 92  
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 <212> DNA  
 <213> *Stenella frontalis*

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<210> 93  
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<212> DNA  
<213> Sousa chinensis

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caacattaac acgctttttc gctttccact ttatctttcc cttcatcatc acagcattag 180  
tagccgttca cctgctattc ctacacgaaa caggatccaa taaccctaca ggaattccat 240  
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tactcctaata cttaacccta ctagcactaa ccctattcac ccccgacctc ctaggagacc 360  
ccgataacta taccccagca aatccactaa gcaccctgc acacatcaaa ccagaatgat 420  
atttcctatt cgcatagca atcttacggt caatccctaa taaacttgga gg 472

<210> 94  
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<212> DNA  
<213> Stenella longirostris

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<210> 95  
<211> 472  
<212> DNA  
<213> Tursiops truncatus

<400> 95

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ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagacatc	ctaggcgctt	300
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ctgataacta	caccccagca	aaccactaa	gcaccctgc	acacatcaaa	ccagaatgat	420
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 <212> DNA  
 <213> *Lagenorhynchus alborostri*s

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<210> 97  
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ccaacataga	tataatccca	ttccaccctt	attacacaat	caaagacatc	ctaggcgctt	300
tacttttaat	cctaacttta	ctagcactaa	ccctattcac	ccccgaccta	ctaggagacc	360



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 <212> DNA  
 <213> *Sotalia fluviatilis*

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<210> 99  
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 <212> DNA  
 <213> *Delphinapterus leucas*

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 <212> DNA  
 <213> *Monodon monoceros*

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<210> 101  
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<212> DNA  
<213> *Platanista gangetica*

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<210> 102  
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<212> DNA  
<213> *Platanista minor*

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<210> 103  
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 <212> DNA  
 <213> *Kogia breviceps*

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<210> 104  
 <211> 472  
 <212> DNA  
 <213> *Kogia simus*

<400>	104						
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<210> 105  
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 <212> DNA  
 <213> *Physeter catodon*

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<210> 106  
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 <212> DNA  
 <213> *Lipotes vexillifer*

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<210> 107  
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 <212> DNA  
 <213> *Phocoena sinus*

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tactatztat	tctaacttta	ctaactactaa	ccttatTTTT	acctgacctt	ctaggagacc	360
ccgataacta	cattccagca	aaccactaa	gcacccagc	acacattaaa	ccagaatgat	420
atttcctctt	cgcatacgca	atcctacgat	caatcccaa	taaactagga	gg	472

<210> 108  
 <211> 472  
 <212> DNA  
 <213> *Berardius bairdii*

<400> 108		
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ttccttatat	cggcaccact	cttgctgaat gaatctgagg tggcttctcc gtagataaag 120
ccacactaac	acgcttcttt	gccttccact ttatcctccc ttttatcatt ctaaccctag 180
cagccgtcca	cttactattc	ctccacgaaa caggatccaa caacccaca ggaatcccat 240
ccaatataga	taaaattcca	ttccaccctt actatacaat caaagatatc ctaggagccc 300
tactactaat	cctagcccta	ctcacgctaa ccctatttgc acccgaccta ctaggagagc 360
ccgacaacta	taccccgga	aaccgctca gcacccaac acatattaag ccagaatgat 420
acttcctgtt	cgcatacgca	atcttacgat cagtccctaa taaactaggg gg 472

<210> 109  
 <211> 472  
 <212> DNA  
 <213> *Ziphius cavirostris*

<400> 109		
taccttgagg	acaaatatca	ttctgaggtg caaccgtcat cacaaacctc ttatccgcta 60
tcccctatat	cggcactact	ctagtogaat gaatctgagg tggtttttca gtagataaag 120
ccacactaac	acgcttcttt	gccttccatt tcatccttcc atttattatt ttagccctag 180
cagccgtcca	cttactatTT	ctccacgaaa caggatctaa taacccaca ggaatcccat 240
ccgatataga	caaaatccca	ttccaccctt attacacaat caaagacatc ctaggagccc 300
tactattaat	cgtaattcta	ctcgactaa ccctattcgc acccgacctg ctaggagacc 360
ccgataacta	tacccagca	aatccactca gcacccagc acacattaag ccagaatgat 420
acttcctatt	cgcatacgca	atcctacgat caattcccaa taaactagga gg 472

<210> 110  
 <211> 472  
 <212> DNA

<213> Mesoplodon europaeus

<400> 110

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ttccctgagg acaaatatca ttctgaggcg caaccgttat taccaacctc ctatccgcca      60
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ctacactaac acgcttcttt gctttccact ttatccttcc attcattatt ctagccctaa      180
caatcgtcca cttactatth ctccatgaaa caggatccaa taaccctaca ggaatcccat      240
ctgatataga caaaatocca ttccatcctt actacacaat caaagatata ctaggggctc      300
tactactaat tctagcccta ctacccctaa ccctattcgc acccgacctg ctaggagacc      360
ccgacaatta cccccagca aaccactta atactccagc acacatcaaa ccagaatgat      420
atttcctatt cgcatatgca attctacgat caattcccaa caaactagga gg              472
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<210> 111

<211> 472

<212> DNA

<213> Mesoplodon bidens

<400> 111

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ccacattaac acgcttcttc gccttccact ttatcctccc atttattatt ttagccctag      180
caatcgtcca cctactatth ctccatgaaa caggatctaa caaccctaca ggaattccat      240
ccgacataga taaaattcca ttccaccctt actacacaat taaagatata ctgggagccc      300
tactactaat tctaacccta ctcgactaa ccctattcgc acctgacctg ctaggagacc      360
ccgacaacta taccagca aaccactca gcacccagc ccacatcaaa ccagagtggg      420
atttcctatt cgcatacgca atcttacgat caattcctaa taaactagga gg              472
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<210> 112

<211> 472

<212> DNA

<213> Mesoplodon densirostris

<400> 112

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ccacattaac acgcttcttc gcttttcaact tcatectccc ctttattatt ctagccctaa      180
caatgggtcca cctactatth ctccatgaaa caggatctaa taaccctaca ggaatcccat      240
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ctgacataga taaaattcca tttcaccctt attacacaat caaagatatt ttaggagccc	300
tactattaat tctggcccta cttatactaa ccctatttgc acctgaccta ctaggagacc	360
ccgataatta tactccagca aaccactca acactccagc acacatcaaa ccagagtggg	420
atcttctatt tgcatacgca atcctacgat caatcccaa caaattagga gg	472

<210> 113  
 <211> 472  
 <212> DNA  
 <213> Hyperoodon ampullatus

<400> 113	
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ccacattaac ccgctttttc gccctccact ttatcctccc attcattatt ctagccctag	180
caatcgtcca cctactattc ctccatgaaa caggatccaa caatcccaca ggaattccat	240
ctgacataga caaaatcccg ttccacccat actacacaat caaagacact ctaggggccc	300
tattactaat cctagtccta ctcacattaa ccctattcgc acccgaccta ctaggagacc	360
ctgataacta taccacagca aaccactca gcaactccagc acacatcaaa ccagaatggg	420
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<210> 114  
 <211> 472  
 <212> DNA  
 <213> Hyperoodon ampullatus

<400> 114	
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ccacattaac ccgctttttc gccctccact ttatcctccc attcattatt ctagccctag	180
caatcgtcca cctactattc ctccatgaaa caggatccaa caatcccaca ggaattccat	240
ctgacataga caaaatcccg ttccacccat actacacaat caaagacact ctaggggccc	300
tattactaat cctagtccta ctcacattaa ccctattcgc acccgaccta ctaggagacc	360
ctgataacta taccacagca aaccactca gcaactccagc acacatcaaa ccagaatggg	420
acttcttatt tgcatacgca atcctacggt caatcccta caaactagga gg	472

<210> 115  
 <211> 472

<212> DNA  
<213> *Mesoplonodon peruvianus*

<400> 115  
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ctacattaac acgatttttt gccttccact ttattctccc atttattatc ttagctctaa 180  
caattgtcca ttactatatt ctacacgaaa caggatctaa taatcccata ggaatctctt 240  
ctgacataga caaaattcca ttctatcctt actatacaat taaagatatc ttaggagccc 300  
tattattaat tatagtccta cttatactaa ccctatttgc acctgaccta ttaggagatc 360  
ctgacaatta cactccagca aacccactta gcaccccagc acatattaaa ccagaatgat 420  
atcttctatt tgcatatgca attttacgat cagttcctaa taaactagga gg 472

<210> 116  
<211> 472  
<212> DNA  
<213> *Pontoporia blainvillei*

<400> 116  
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caacactaac gcgattcttc gctttccatt ttatccttcc attcattatt acagccctag 180  
ttatagtcca cctgctattc ctacacgaaa ctggatccaa caacccaaca ggaatctcat 240  
ctaacataga tgccatccca ttccaccctt actacacaat taaagatatc ctaggggccc 300  
tattaataat cctaacaata ctacgctga ctctattcac ccctgaccta ttaggagacc 360  
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atttcctatt tgcctacgcc atcctaogat caattcccaa taaactggga gg 472

<210> 117  
<211> 472  
<212> DNA  
<213> *Hippopotamus amphibius*

<400> 117  
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ccacccttac acgattcttt gccttccact ttattcttcc attcggtatc acagcactag 180  
ccatcgtcca tctactattc ctccatgaaa caggatccaa caacccaaca ggaatcccct 240



caaacgcaga caaaatccca ttccaccctt attacacaat caaggacatc ctaggtatcc	300
tactcctaata aacaacta ctacactaa ccttatttgc ccagacctc ctaggggacc	360
cagacaacta ccccccgca aacccttta gcacaccacc acacattaaa ccagaatgat	420
atttcctggt cgcgtagcg attctccgat caatcccaa caaactagga gg	472

<210> 118  
 <211> 472  
 <212> DNA  
 <213> Hexaprotodon liberiensis

<400> 118	
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ccacccttac acgattcttt gccttccact ttattcttcc attcatcatc atagcactag	180
ccgccgtcca cctactgttt ctccacgaaa cagggtccaa caaccaaca ggaatccctt	240
caaacgcaga caaaatccca ttccaccctt attacacaat caaagatatt ctgggcgtac	300
tacttctaata aacaatacta ctacactaa ccttatttgc ccagacctc ctaggggacc	360
cagacaacta ccccccgca aacccttta gcacaccacc acacatcaaa ccagaatgat	420
atttcctggt cgcatagca attctccgat caatccctaa caaactggga gg	472

<210> 119  
 <211> 472  
 <212> DNA  
 <213> Rhinoceros sondaicus

<400> 119	
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ctacccttac ccgattcttt gccttccact tcattcttcc ctttattatc ctagctctag	180
cgatcaccca cttactattc ctacacgaaa caggatccaa taacccatca ggaattccat	240
ctaacacaga caaaattcca ttccaccctt actacacaat caaagacatc ctaggagccc	300
tgcttctaata tatagtatta ctacccttag tcctattctc ccctgacatc ctaggggacc	360
cagacaacta catcccagcc aaccctctca gcacccctcc acatatcaaa ccagaatggt	420
atttcctatt tgcttagca atcctacgat ccattccaaa caaactaggc gg	472

<210> 120

<211> 472  
<212> DNA  
<213> Ceratotherium simum

<400> 120  
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ccacacttac acgattcttc gcctttcact ttatcctccc ctttattatc atagccctag 180  
caatcaccca cctactatct cttcacgaaa caggatccaa taacccatca ggaatcccat 240  
ccaacataga caaaatccca ttccacccat actacacaat caaagacatc ctgggaattt 300  
tactcctaata cctagcacta ctogccctag ttctattctc accagacatc ctaggagacc 360  
ctgacaacta caccctgcc aatcctctca gcactcccc acatatcaaa ccagaatgat 420  
actttctatt tgcttacgca atcctacgat ccacccctaa caaactaggc gg 472

<210> 121  
<211> 472  
<212> DNA  
<213> Dicerorhinus sumatrensis

<400> 121  
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ccaccctcac ccggttcttt gctttccact tcacccctccc cttcatcatc ctagccctag 180  
caattaccca cctgctatct ctacatgaaa caggatccaa caacccatca ggaatcccat 240  
ctaacataga caaaatccca ttccacccat actatacaat caaagacatc ctaggagccc 300  
tactttctaata cctagcccta ctacccctag ttctattctc gcctgacctc ctaggagacc 360  
cggacaacta cacaccgcc aaccctctca gcacccctcc acacattaaa ccagaatggt 420  
acttcttatt cgcttacgca atcctacgat ccaccccaaa taaactaggc gg 472

<210> 122  
<211> 472  
<212> DNA  
<213> Equus asinus

<400> 122  
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ccacccttac ccgatttttt gccttccact ttattctacc ctttatcatc acagccctgg 180

taatcgtcca tctactat	ctccaogaaa caggatccaa	caaccctca ggaatcccat	240
ctgacataga caaaatccca	ttccacccgt actacacaat	taaagacatc ctaggacttc	300
tccctcctagt cctactccta	ctaaccctag tattattctc	cctgacctc ctaggagacc	360
cagacaacta caccctagct	aaccctctca gcactcccc	tcatattaag ccagaatggt	420
atttcctatt tgcttacgcc	atcctacgct ccattcccaa	caaactaggt gg	472

<210> 123  
 <211> 472  
 <212> DNA  
 <213> *Babrousa babyrussa*

<400> 123			
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caaccctcac acgattcttt	gctttccact ttattctacc	cttcatcatc accgctctcg	180
caaccgtaca tctattat	cttcacgaaa ctggatccaa	taaccctact ggaatttcat	240
cagatataga caaaatccca	ttccacccct actataccat	taaagacatt ctaggagccc	300
tactcataat tatagctctt	ctaactcctag tactattctc	accagatcta ctaggagacc	360
cggacaacta tactccagca	aaccactaa atacaccacc	ccacattaag ccagaatgat	420
acttcctatt tgcttacgcc	atcctacgct caatcccaa	caaattaggt gg	472

<210> 124  
 <211> 472  
 <212> DNA  
 <213> *Phacochoerus africanus*

<400> 124			
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tcccctacat tggaacaaat	cttgtagaat gaatctgagg	aggtttctcc gtcgacaaag	120
caactctcac acgattcttt	gccttccact tcattttacc	ttttatcatc gctgccttag	180
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cagacataga caaaatccca	ttccacccat actacaccat	taaagatatc ctaggagccc	300
tattcataat actaatcctg	ctaactcctag tattattctc	cccagaccta ctaggagacc	360
cagacaacta taccctagca	aaccattaa acacaccacc	ccacatcaaa ccagaatgat	420
acttcctatt cgcctacgcc	atcctacgtt caatccctaa	taaattaggt gg	472

<210> 125  
 <211> 472  
 <212> DNA  
 <213> Sus scrofa haplotype EWB3

<400> 125  
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 caaccctcac acgattcttc gccttccact ttatcctgcc attcatcatt accgccctcg 180  
 cagccgtaca tctcctattc ctgcacgaaa ccggatccaa taaccctacc ggaatctcat 240  
 cagacataga caaaattcca ttccacccat actacactat taaagacatt ctaggagcct 300  
 tatttataat actaatccta ctaatccttg tactattctc accagaccta ctaggagacc 360  
 cagacaacta caccacagca aaccactaa acacccacc ccatattaaa ccagaatgat 420  
 atttcttatt cgcctacgct attctacggt caattcctaa taaactaggt gg 472

<210> 126  
 <211> 472  
 <212> DNA  
 <213> Sus barbatus

<400> 126  
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 caacccttac acgattcttc gcctttcact ttatcctgcc ctctgtcatt accgccctcg 180  
 cagccgtaca tctcctattc ctacacgaaa ccggatccaa taacccacc ggaatttcat 240  
 cagacataga caaaattcca ttccacccat actacactat caaagacatt ctaggagcct 300  
 tatttataat actaatccta ctaatccttag tactattctc accagaccta ctaggagacc 360  
 cagacaacta caccacagca aaccactaa acacccacc ccatattaaa ccagaatgat 420  
 atttcttatt cgcctacgct attctacggt caatcccca taaactaggc gg 472

<210> 127  
 <211> 472  
 <212> DNA  
 <213> Lama glama

<400> 127  
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 ccacccttac acgattcttc gccttccact ttatcttacc ttttgtcatt gcagctctag 180

caggagtaca tctactat	ttt ttacacgaaa caggctccaa caatccaaca ggaatttctt	240
cggatataga caaaatcccc	ttccatccct actatacaat taaagacatt ctaggagcac	300
tactacttat tctaacccta	cttctactcg tactattctc accagaccta ctaggagacc	360
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acttcctatt tgcatacgcc	atcctacgat ccatccccaa taaattaggc gg	472

<210> 128  
 <211> 472  
 <212> DNA  
 <213> lama guanicoe

<400> 128		
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ccacccttac rcgattct	tc gccttccact ttatcttacc tttgtcatt gcagctctag	180
caggagtgca tctactat	ttt ttacacgaaa caggctccaa caatccaaca ggaatttctt	240
cggatataga caaaatcccc	ttccatccct actatacaat taaagacatt ctaggagtac	300
tactacttat tctgacccta	cttctactcg tactattctc accagaccta ctaggagacc	360
ccgacaacta tactcccgct	aacccccctca acacaccgcc tcatattaaa ccagaatgat	420
acttcctatt tgcatatgcc	atcctacgat ccatccccaa caaattaggc gg	472

<210> 129  
 <211> 472  
 <212> DNA  
 <213> Vicugna vicugna

<400> 129		
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ccacccttaa ccgattct	tc gcctttcact ttatcttacc tttcatcatt gcagctctag	180
cgggagtaca tctactat	ttt ttacacgaaa caggctccaa caacccaaca ggaatttctt	240
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<210> 130  
<211> 472  
<212> DNA  
<213> Camelus bactrianus

<400> 130  
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ccaccctcac acgattcttt gccttccact tcatcctgcc atttattatc acggccctag 180  
tagccgtaca cctattattc ctacacgaaa caggctctaa taacccgaca ggaatctcct 240  
cagacataga caaaatccca ttccacccct actacacaat taaagacatc ctaggagcac 300  
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<210> 131  
<211> 472  
<212> DNA  
<213> Arctocephalus forsteri

<400> 131  
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caaccctaac acgattcttc gccttttact tcattctccc cttcgtagca tcagcactag 180  
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tctactaat cttgattcta atattactag taatatcttc accagatctg ctgggagacc 360  
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<210> 132  
<211> 472  
<212> DNA  
<213> Arctocephalus gazella

<400> 132  
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caaccctaac acgattcttc gcctttcact ttatttctcc cttcgtagta tcagcactag	180
taatagtgc cctactattc ctacacgaaa caggatccaa caacccatca ggagtctcct	240
ctgactcgga caaaattcca ttccacccat attatacaat taaagatatc ctgggagccc	300
tcttactaat cttaattcta atattactag taatatcttc accagatctg ctaggagacc	360
cagacaacta catcccagcc aacccctca gtactccacc acatatcaaa cctgaatggt	420
attttctatt cgcctatgcc attttacgat ctatcccca caaactagga gg	472

<210> 133  
 <211> 472  
 <212> DNA  
 <213> *Eumetopias jubatus*

<400> 133	
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caaccctaac acgattcttc gcctttcact ttattctccc cttcgtagca tcagcactag	180
taatagtaca cctattattc ctacacgaaa ctggatccaa caatccatca ggaatctcct	240
ccaactcaga caaaattcca ttccatccat attacacaat taaagatatc ctgggaaccc	300
tcctactaat cttaactcta atactactag taatatcttc accagacctg ctgggagacc	360
cagacaacta catcccagcc aacccctca gcaactccacc acatatataa cccgaatgat	420
atttcctatt cgcctatgct attttacgat ccatcccca caaattaggg gg	472

<210> 134  
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 <212> DNA  
 <213> *Zalophus californianus*

<400> 134	
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caaccctaac acgattcttt gcctttcact ttattctccc cttcatagca tcagcactag	180
taatagtaca cctattattc ctacacgaaa ctgggtccaa caacccatca ggaatctcct	240
ctgactcaga caaaattcca ttccacccat attacacaat taaagatatc ctaggaaccc	300
tcctactaat cttaacccta atactactag taatatcttc accggacctg ctgggagacc	360
cagacaacta tattccagcc aacccctca gcaactccacc acatatataa cctgagtgat	420
atttcctatt cgcctatgct attttacgat ccatcccca caaattaggg gg	472

<210> 135  
<211> 472  
<212> DNA  
<213> *Odobenus rosmarus*

<400> 135  
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caaccctaac acgattcctc gccctccact tcgtttcttc attcatggca ttagcactaa 180  
cagcagtaca cctactatct ctccacgaaa caggatctaa caacccttcg ggaatcctat 240  
ctgactcaga caaaatccca ttccaccgt actacacaat taaagatatc ctagggtca 300  
tcattctaata cctaatacta atactactag tactattctc accagattta ctgggagacc 360  
cggacaatta caccacagcc aaccctctca gcacccacc ccatatcaaa cccgaatgat 420  
atttcctatt cgcctacgct atcctccgat ctattcccaa caaactcggg gg 472

<210> 136  
<211> 472  
<212> DNA  
<213> *Phoca vitulina*

<400> 136  
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caaccttaac acgattcttc gccttccact tcactcctgcc attcgtagta tcagccctag 180  
cagcagtcca cctactatct ctacacgaaa caggatcaaa caaccctcc ggaatcatat 240  
ccaactcaga caaaatccca ttccaccgt actatacaat taaagatatc ctaggggccc 300  
tactttctcat tctagtcttg aactactag tgctattctc acccgacctg ttaggagacc 360  
ccgacaacta tatccctgcc aatccctaa gcacccacc acatatcaaa cctgaatggt 420  
acttcctatt tgcctacgca atcttacgat ccatcccaa caaactagga gg 472

<210> 137  
<211> 472  
<212> DNA  
<213> *Phoca fasciata*

<400> 137  
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caaccctaac acgatttttc gctttccact ttatcctacc atttgtagta tcagcactag	180
cggcagttca cctactattc ctacacgaaa caggatccaa caaccctcc ggaatcgtat	240
ccgactcaga caaaatccca ttccacccat actatacaat taaagatatc ctaggagccc	300
tactcctcat cctagtccta atactactag tactattctc acccgaccta ctaggagacc	360
ccgacaacta caccctgcc aacccctaa gcacccacc acatatcaag cccgaatgat	420
actttctatt tgcctacgca atcctacgat caatcccaa caaactagga gg	472

<210> 138  
 <211> 472  
 <212> DNA  
 <213> *Phoca groenlandica*

<400> 138	
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caaccctaac acgatttttc gccttccact tcattctacc attcgtagta ttagcactag	180
cggcagttca tctactattc ttacacgaaa caggatccaa caaccacc ggaatcgtat	240
ccgactcaga caaaatcccg ctccacccat attatacaat taaagatatc ctaggagccc	300
tactcctcat cctggctcctt atactactag tactgttctc acccgaccta ctgggagacc	360
ccgacaacta catccctgcc aatccctaa gtacccacc acatatcaag cccgaatgat	420
actttttatt tgcctacgca atcctacgat caattcccaa caaactagga gg	472

<210> 139  
 <211> 472  
 <212> DNA  
 <213> *Cystophora cristata*

<400> 139	
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caactctaac acggtttttc gccttccact tcattctacc attcgtcgta tcagcactag	180
caacagtcca cctactattc ctacacgaaa caggatctaa taatccctcc ggaatcacat	240
ccgactcaga caaaatccca ttccacccat actatacaat taaagacatc ctaggagccc	300
tactcctcat cctagttcta acactactag tgctattctc acccgatctg ctaggagacc	360
ccgacaacta taccctgcc aacccctaa gtacccacc acatattaaa cctgaatgat	420

atttcctatt cgcctatgca atcctacgat ctatcccca caaactagga gg 472

<210> 140  
<211> 472  
<212> DNA  
<213> Hydrurga leptonyx

<400> 140  
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caaccctaac acgattcttc gccttccact ttatccttcc cttcgtagta tcagcactag 180  
cagcagtaca tctactatct ttacaogaaa caggatccaa taaccctcc ggaattccat 240  
ccaactcaga caaaatccca tttcaccct actacacaat caaagacatc ctaggagccc 300  
tattcctcat tctaacccta atactactag tattattctc acccgaccta ctaggagacc 360  
ccgacaacta tattcctgct aacccctaa gcacccacc acatatcaaa cccgaatgat 420  
atttcctatt tgcctacgca atcctacgat ccattcccaa taaactagga gg 472

<210> 141  
<211> 472  
<212> DNA  
<213> Leptonychotes weddelli

<400> 141  
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caaccctaac acgattcttc gccttccact ttatccttcc cttcgtagta tcagcactag 180  
cagcagtaca tctactatct ttacaogaga caggatccaa caaccctcc ggaattccat 240  
ctgactcaga caaaatccca tttcaccct actacacaat caaagacatc ctaggagccc 300  
tactcctcat tctaacccta atattactag tattattctc acccgacctg ctaggagatc 360  
ccgacaacta tactcccgct aatccctaa gtactccacc acatatcaaa cccgaatgat 420  
atttcctatt tgcctacgca atcttaogat ccattcccaa caaactagga gg 472

<210> 142  
<211> 472  
<212> DNA  
<213> Mirounga leonina

<400> 142  
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caaccctaac	acgattcttc	gccctccact	ttatcctacc	attcgtagca	ctagcactag	180
cagcagtaca	tctactattc	ctacacgaaa	caggatccaa	caaccctct	ggaatcccat	240
ccgactcaga	caaaatccca	ttccacccat	actacacaat	caaagatatc	ttaggagccc	300
tacttcttat	tctaacccta	atactattag	tgttattctc	acccgactta	ttaggagacc	360
ccgacaacta	caccctgcc	aatcccctaa	gcacccacc	acatattaag	cccgaatgat	420
atttcctatt	tgctacgca	atcctacgat	ctattcccaa	caaactagga	gg	472

<210> 143  
 <211> 472  
 <212> DNA  
 <213> *Erignathus barbatus*

<400> 143	
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caaccctaac	acgattcttc gccttccact ttatcctacc atttgtagta ttagcattag 180
cagcagtcca	cctattattc ctacacgaaa caggatccaa caaccctct ggaatctcgt 240
ccgactcaga	taaaattcca ttccacccat actatacagt caaggacatc ttaggggct 300
tacttcta	aat cctagttctt atacttctag tgctattctc acccgaccta ctgggagatc 360
ccgacaacta	cactcccgct aacccctaa gcacccacc acatattaag cccgaatgat 420
atttcctatt	cgctatgca atcctacgat ccatcccaa caaacttgga gg 472

<210> 144  
 <211> 472  
 <212> DNA  
 <213> *Monachus schauinslandi*

<400> 144	
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tcccttacat	cggaaccgat ctagtacaat gaatctgagg cgggttctca gtagataaag 120
caaccctaac	acgattcttc gctttccatt ttattatacc cttcatagta ttagcactag 180
cagcagtcca	tttattatct ctacacgaaa caggatccaa caatccctcc ggaattccat 240
ccaactcaga	caaaatccca ttccacccat actatacaat taaagacatt ctaggagctt 300
tactccttat	cctaattcta atactactag tactattctc acccgactta ctaggagacc 360
ctgacaacta	catccctgcc aacccctaa acactccacc acacattaag cccgaatgat 420

acttcctatt cgcctacgca atcctacgat ctatccccaa taaactagga gg 472

<210> 145  
<211> 472  
<212> DNA  
<213> *Helarctos malayanus*

<400> 145  
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cgactctaac acgattcttt gccttccact ttatccttcc gttcatcatc ttggcactaa 180  
cagcgggtcca cctattattc ctacacgaaa cagggtccaa caatccctct ggaatcccat 240  
ctgactcaga caaaatccca ttccaccgt actatacaat taaggacatc ctaggcgccc 300  
tacttcttac cctagcccta acaaccctag ttctattctc gcccgactta ctaggagacc 360  
ctgacaacta catccccgca aatccattga gcacccacc ccacatcaaa cccgaatggt 420  
actttctatt tgcctacgct atcctacgat ccacccctaa taaactagga gg 472

<210> 146  
<211> 472  
<212> DNA  
<213> *Selenarctos thibetanus*

<400> 146  
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caaccctaac acgattcttt gctttccact ttatccttcc gttcatcatc ctagcactag 180  
cagcagttca tctattgttc ctacacgaaa caggatccaa caacccttct ggaatcccat 240  
ccaactcgga caaaatccca ttccaccat actatacaat taaagacgcc ctaggcgccc 300  
tactttctcat cctagcctta gcaactctag tctattctc gcccgactta ctaggagacc 360  
ctgataacta taccctcgca aaccactga gcacccacc ccacatcaaa cccgaatgat 420  
actttttatt tgcttacgct atcctacgat ccaccccaaa caaactagga gg 472

<210> 147  
<211> 472  
<212> DNA  
<213> *Ailurus fulgens*

<400> 147  
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caactctaac	tcgattcttc	gccttccact	tcattcttcc	atttatcatt	gcaacactag	180
caactatcca	tctcttatto	ctacatgaaa	caggatctaa	taaccctca	ggcatcccat	240
ccaactcaga	caaaattcca	ttccatccct	attatacaat	taaagatata	ttgggcgctc	300
tactccttat	cctaattctc	atgacattag	tactattctt	acctgacttg	cttggtgatc	360
ctgataacta	tattcccgt	aaccattaa	gcacaccacc	ccatattaaa	cctgagtgg	420
atttcctatt	cgcatatgca	attctacgat	ccatcccaa	caaactagga	gg	472

<210> 148  
 <211> 472  
 <212> DNA  
 <213> *Felis catus*

<400> 148	
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ccaccctaac	acgattcttt ggcttccact tcattcttcc attcattatc tcagccttag 180
caggagtaca	cctcttattc cttcatgaaa caggatctaa caaccctca ggaattacat 240
ccgattcaga	caaaatccca ttccacccat actatacaat caaagacata ctaggtcttc 300
tagtactagt	tttaacactc atactactcg tcctattttc accagacctg ctaggagacc 360
cagacaacta	catcccagcc aaccctttaa ataccctcc ccatattaaa cctgaatgat 420
atttcctatt	cgcatagca attctccgat ccacccctaa caaactaggg gg 472

<210> 149  
 <211> 472  
 <212> DNA  
 <213> *Canis familiaris*

<400> 149	
taccatgagg	acaaatatca ttttgaggag caactgtaat cactaatctt ctctctgcca 60
tccttatat	cggaactgac ttagtagaat ggatctgagg cggcttctca gtggacaaag 120
caaccctaac	acgattcttt gcattccatt tcacctccc ttcatcata gcagctctag 180
caatagtaca	cctcctatct ctacacgaaa ccggatccaa caaccctca ggaatcacat 240
cagactcaga	caaaattcca ttccaccctt actacacaat caaggatata ctaggagcct 300
tactcctact	cctaactcta atatcactag ttttattttc acctgacctt ttaggagacc 360

cagataacta caccctgca aacccctaa acaccctcc acatattaaa cctgagtgat 420  
 attttctatt cgcctatgct atcctacgat ccattcctaa taaattagga gg 472

<210> 150  
 <211> 472  
 <212> DNA  
 <213> *Talpa europaea*

<400> 150  
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 cgacactcac acgattcttc gccttccact tcattctgcc atttattatt gcggcactag 180  
 ctggagttca cctgttattt cttcacgaaa caggatcaaa caacccatca ggactctcat 240  
 cagatacggg taaaattcca tttcacccct attacactat taaagacatc ctaggagcac 300  
 taatcctaata tatagctcta tcatcattag tattattttc acctgaccta ctaggagacc 360  
 cagacaatta catcccgga aacccgctaa acacaccacc ccatattaaa cccgaatggt 420  
 acttcctatt tgcatatgcc atcctacgat caattcctaa taaattagga gg 472

<210> 151  
 <211> 472  
 <212> DNA  
 <213> *Glaucomys sabrinus*

<400> 151  
 taccctgagg acaaatatct ttctgaggag ccaccgtcat caccaacctt ctctcagcta 60  
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 ctaccctaac ccgatttttt gcatttccatt ttgtcctccc ttttattatt gctgccctag 180  
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 ctgactcaga taaaatcca ttccaccctt atttctcaat taaagacacc ctaggattct 300  
 taatcctcat cttaatcttc ataaccctag ttctcttcac ccctgatctt ctaggagacc 360  
 cagacaacta taccacagcc aaccactca acaccctcc ccacatcaaa ccagaatgat 420  
 actttctatt tgcatacgca attctacgat ctattccaaa taaactagga gg 472

<210> 152  
 <211> 472  
 <212> DNA  
 <213> *Glaucomys volans*

<400> 152

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ctaccttaac	ccgattcttt	gcatttcact	tcattcttcc	ttttatcatt	gccgctctag	180
ccataatcca	tctactcttt	ctacacgaaa	caggatccaa	taacccatca	ggactaatct	240
ctgactcaga	caaaatccca	ttccaccctt	actttctcaat	taaagatacc	ctaggattct	300
taatccttat	cttaatcttc	ataaccctag	ttctcttcac	cccggatctt	ctaggagacc	360
cagacaacta	tactccagcc	aaccactca	acggccctcc	ccatatcaag	ccagagtgat	420
actttctatt	tgcgtagtga	attctacgat	ctatcccaaa	taaactagga	gg	472

<210> 153  
 <211> 472  
 <212> DNA  
 <213> *Hylotes phayrei*

<400> 153	
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ttctgagggg	ctaccgttat
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ttccctacat	tggaacagtc
cttgtcgaat	gaatttgagg
gggattttcc	gtagataagg
120	
ctaccctaac	ccgattcttc
gcattccact	ttgtgctgcc
ctttattatt	gcagcactag
180	
ctataattca	ccttctcttt
ctacacgaaa	caggatcaaa
taacccatca	ggcctaattt
240	
ccgattcaga	caaaatccca
tttcacccat	actattcaat
taaagatctc	ctaggcgccc
300	
ttattcttct	cctaactctt
ataaacttag	tactattttc
ccccgatctt	ttaggagacc
360	
ctgacaacta	cacccccgcc
aaccactta	acaccctcc
tcatattaaa	ccagaatgat
420	
actttctatt	cgcatagca
atcctacgat	ctattcccaa
taaattagga	gg
472	

<210> 154  
 <211> 472  
 <212> DNA  
 <213> *Petinomys setosus*

<400> 154	
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ttctgagggg	ctaccgttat
tacaaaccta	ctatctgcca
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gggattttcc	gtagataagg
120	
ctaccctaac	ccgattcttc
gcattccact	ttgtgctgcc
ctttattatt	gcggcactgg
180	
ctataatcca	ccttctcttt
ctacacgaaa	caggggtcaaa
taatccatca	ggtctaattt
240	
ccgattcaga	caaattccca
tttcacccat	actattcaat
taaagatctc	ctaggggccc
300	
ttattcttct	cctaactctt
ataaacttag	tactattctc
ccccgatctt	ttaggagacc
360	

ctgacaacta ccccccgcc aaccactta acaccctcc tcatattaaa ccagaatgat 420  
actttctatt cgcatagca atcctacgat ctattcccaa taaattagga gg 472

<210> 155  
<211> 472  
<212> DNA  
<213> *Belomys pearsonii*

<400> 155  
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caaccctaac acgattcttc gcattccact ttatcttacc atttatcgta gcagcccttg 180  
caatagtcca ccttcttttc ctccacgaaa ttgggtcaaa taatcccccc ggattaattt 240  
ctgaatctga taaagtacca ttccacccat acttcacaat caaagatatt cttggcgccc 300  
taatcttcgg ccttatattht acaaccctta ttctattcgc ccctgatctc ctaggagacc 360  
ctgacaacta tactccggcc aatccactta acaccctcc ccacattaaa ccagaatgat 420  
actttctaht ttattacgca atccttcgat ccattcccaa caaactagga gg 472

<210> 156  
<211> 472  
<212> DNA  
<213> *Pteromys momonga*

<400> 156  
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ctaccctaac acgattcttt gcattccact ttgtcctccc cttcattatc gcagccctag 180  
caatagttca cctacttttc ctatcatgaaa cagggtccaa caaccatct ggacttacct 240  
ccgaatccga caaaatccca ttccacccct acttcacaat taaagacatt ttaggagcac 300  
ttctccttgg cctcctattc ataactcttag tctctttac tccagacctc cttggagacc 360  
ccgacaacta taccacagcc aacccctca aactccccc tcatatcaaa ccagagtgat 420  
atttcctatt cgcatatgct atcttacgat ctatccctaa caaactaggc gg 472

<210> 157  
<211> 472  
<212> DNA  
<213> *Galagoides demidoff*



<400> 157  
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 ctacccttac ccgattcttt gctttccact ttatcctccc atttatcatt acagcaatag 180  
 tcataatcca cctcctattc cttcacgaaa caggatcaaa caaccctca ggacttccat 240  
 cagactcaga caaaatcccc ttccaccctt attacataat caaggatctc ctaggactga 300  
 ttattctctt actaactctg ttctccctag taatattctc cccggacctg ctaggagacc 360  
 ctgacaacta ccccccgcc aaccacctaa acaccacc acatatcaaa ccagagtgtat 420  
 atttcctatt tgcctacgcc atcctacgat ctatcccaaa caaactagga gg 472

<210> 158  
 <211> 472  
 <212> DNA  
 <213> Perodicticus potto

<400> 158  
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 ctaccctaac acgattcttc gccttccact tcctcctccc ctttattatc acagcactag 180  
 ccacaactca cctcttattt cttcacgaaa caggatcaaa taaccagca ggaattccat 240  
 cagaatcaga caaaatcccc ttccaccctt actacaccac caaagactta ctaggagcca 300  
 tctttcttct actaatccta ctcaccctag tcctattctc cccagacctt ttaggagacc 360  
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 <213> Galago matschiei

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tcttcttact actatgccta ttctctctag tactattttc cccgatctg ttaggagacc	360
cagacaattt taccgccgt aatcccttaa acacccacc acacatcaaa ccagaatgat	420
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 <213> Galago moholi

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ctactcttac ccgatttttc gcttttcaact tcactctgcc tttcatcatc gcggccctag	180
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cagactccga caaaatcccc ttccaccctt actacacaat taaagacctt ctaggagcaa	300
tcttcttact attatcccta ttctctctag tactattctc ccctgacctg ctgggagacc	360
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 <212> DNA  
 <213> Otolemur garnettii

<400> 161	
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caaccctcac ccggtttttt gctttccact ttatcttgcc tttcatcatc gcagccctag	180
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cagactctga caaaatcccc ttccaccctt attacacaat taaagacctt ctaggggcta	300
tcttcttctt tctaacccta ttctccctag tctattctc cccgacctt ctaggagacc	360
cagacaacta cacccttgcc aacccccctaa acacaccgcc ccatatcaaa cccgaatgat	420
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<210> 162  
 <211> 472  
 <212> DNA  
 <213> Loris tardigradus

<400> 162  
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 caaccctcac acgattcttc gcctttcact tcctccttcc attcatcatc acagcattaa 180  
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 ttgctctctt aatcacctta tcaactctag ttctattctc cctgacctt ttaggagacc 360  
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 atttcctatt cgcatacgca atcctacgat caatccccaa taaactaggt gg 472

<210> 163  
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 <212> DNA  
 <213> Nycticebus coucang

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 <211> 472  
 <212> DNA  
 <213> Mus musculus

<400> 164  
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taatcatatt cttaattctc ataaccctag tattatTTTT cccagacata ctaggagacc	360
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<210> 165  
 <211> 472  
 <212> DNA  
 <213> Gorilla gorilla

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cccactctga caaaatcacc ttccaccctt actacacaat caaagacatc ctaggcctat	300
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cagacaacta caccttagcc aacccccctaa gcacccccacc ccacatcaaa cccgaatgat	420
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<210> 166  
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 <212> DNA  
 <213> Homo sapiens sapiens

<400> 166	
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ccattccga taaaatcacc ttccaccctt actacacaat caaagacgcc ctcggttac	300
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cagacaatta taccctagcc aacccccctaa acacccctcc ccacatcaag cccgaatgat	420
atttcctatt cgcctacaca attctccgat ccgtccctaa caaactagga gg	472

<210> 167  
 <211> 472  
 <212> DNA

<213> Dugong dugong

<400> 167

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ccgactcaga caaaatccca ttccacccat attattcagt caaagacctc ctaggcctat      300
tcttcctcat tctagtctta ctctactaa ccctgttctc cccggacata ctgggagacc      360
cagacaacta cacaccagcc aacccactaa acaccctcc ccacattaaa ccagaatgat      420
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<210> 168

<211> 472

<212> DNA

<213> Elephas maximus

<400> 168

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caggagtgca cctaaccttt cttcacgaaa caggctcaaa caaccacta ggtctcactt      240
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ctgacaacta cataccagct gatccactaa atactcccct acacatcaaa ccagagtgat      420
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<210> 169

<211> 472

<212> DNA

<213> Afropavo congensis

<400> 169

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caaccctcac ccgattcttc gccctacact ttcttctccc ctttctaatt gcgggaatta      180
caattatcca cctcacattc cttcatgaat caggctcaaa caaccactg ggcattctcat      240
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ccaattcaga taaaatccca ttccacccgt actactccct caaagatatc ctaggcttag	300
cactcatgct cattccattc ctgacactag ccctactctc ccccaacctc ttaggtgac	360
cagaaaactt caccocagca aaccctctag taactcccc acacattaaa ccagaatggt	420
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<210> 170  
 <211> 472  
 <212> DNA  
 <213> Pavo muticus

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caaccctcac ccgattcttc gccctacact ttctcctccc ctttgtaatc gcaggaatta	180
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ccaactcaga caaaattccg ttccacccat actactccct caaagatatc ctaggcttaa	300
ctcttatatt tatcccatc ctaacactag ccctattctc cccaatctc ctaggtgacc	360
cagaaaactt taccocagca aaccocctag taaccccccc gcacattaaa ccagaatgat	420
acttcttatt tgcctacgcc atccttcggt caatcccaaa caaactagga gg	472

<210> 171  
 <211> 472  
 <212> DNA  
 <213> Tragopan blythii

<400> 171	
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caaccctcac tcgattcttc gccctacact tctcctccc atttgtaatc gcaggaatta	180
ccatcatgca cctcatcttc ttacatgaat caggctctaa taaccactg ggcattctcat	240
ctaactctga caaatccca ttccacccgt actactccct caaagatatc ctgggtctaa	300
cactcatgct cccccctc ctacactag cattattctc accgaaccta ttaggcgacc	360
cagaaaactt caccocagca aaccactag taaccocctc ccatatcaaa ccagaatgat	420
acttcctatt cgcttatgcc atcctgcgct caatcccaaa caaacttggg gg	472

<210> 172  
 <211> 472

<212> DNA  
<213> Tragopan satyra

<400> 172  
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ccaactctga caaaatccca tttcatccat actactccct caaggatata ctaggcctaa 300  
cactcatgct caccctctc ctacactag ccttattctc accaaaccta ctaggtgata 360  
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<210> 173  
<211> 472  
<212> DNA  
<213> Tragopan caboti

<400> 173  
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ccatcatcca cctcatcttc ctacatgaat caggctctaa caaccctctg ggcattctcat 240  
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cactcatact cactctctc ctacactag ccttattttc accaaaccta ctaggtgacc 360  
cagaaaactt caccctcagca aaccattgg taactctcc ccatatcaag ccagaatggg 420  
atttctgtt cgcttatgcc atcctacgct caatcccaaa caaactcgga gg 472

<210> 174  
<211> 472  
<212> DNA  
<213> Tragopan temminckii

<400> 174  
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caacccttac ccgattcttt gccctacact tctctctccc atttgtaatc gcaggaatta 180  
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ctaactctga	caaaatccca	ttccaccgt	actactccct	caaagatatc	ctaggcctaa	300
cactcatact	cactcccctc	ctcacactag	ccttattttc	accaaaccta	ctaggtgatc	360
cagaaaaactt	caccccagca	aaccactag	taactcctcc	ccatatcaaa	ccagaatgat	420
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<210> 175  
 <211> 472  
 <212> DNA  
 <213> Argusianus argus

<400> 175	
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ccacccttac	ccgattcttt gctctacatt tctcctacc cttcgtaatc gcaggaatca 180
ccatcatcca	cctcacattc ctacacgaat caggctcaaa caaccacta ggcattctcat 240
ctaactctga	caaaatccca ttccaccat actactccct caaagacatc ctaggcctaa 300
cactcatact	cgctccattc cttacactaa ccctattcta cccaaaccta ctaggtgacc 360
cagaaaaactt	caccccagca aaccattag taactccacc ccacatcaag ccagaatgat 420
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<210> 176  
 <211> 472  
 <212> DNA  
 <213> Catreus wallichi

<400> 176	
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tcccttacat	cggacagacc ctagtagaat gagcctgagg aggatttctca gttgacaatc 120
caactctcac	ccgattcttc gccctgcaat tctccttcc cttcgtaatt gcaggaatca 180
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ctaactccga	caaaatccca ttccaccat actactccct caaagatatc ctaggcctag 300
cacttatatt	caccccatte ctaacactag ccctattctc accaaatctt ctgggagacc 360
cagaaaaactt	caccccagca aatccattag taaccccacc acacattaaa ccagaatggt 420
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<210> 177



<211> 472  
 <212> DNA  
 <213> *Crossoptilon crossoptilon*

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<210> 178  
 <211> 472  
 <212> DNA  
 <213> *Syrnaticus reevesi*

<400> 178  
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<210> 179  
 <211> 472  
 <212> DNA  
 <213> *Bambusicola thoracica*

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ccattatcca cctcacattc ttacacgaat caggatcaaa caacccccta ggcattctcat	240
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cagaaaactt caccccagca aaccactag taaccctcc acacatcaaa ccagagtggg	420
acttcctatt cgcgtatgct atcgtagcat caatccccaa caaactcgga gg	472

<210> 180  
 <211> 472  
 <212> DNA  
 <213> *Francolinus francolinus*

<400> 180	
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ctgactctga caaaatccca ttccacccat actacacct caaagacatc ctaggcctaa	300
cccttatatt catccctctc cttacactag ccctattctc cccaacctc ctaggcgacc	360
ccgaaaactt caccccagca aaccactag taactcctcc ccacatcaaa ccagaatgat	420
acttcctatt tgctacgcc atcctacgct caatccccaa caaactcgga gg	472

<210> 181  
 <211> 472  
 <212> DNA  
 <213> *Ithaginis cruentus*

<400> 181	
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caaccctcac ccgattcttc gccctacact ttctctccc cttcgcaatc gcaggaatta	180
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ctaactctga caaaatccca ttccacccat actactcct caaagacatc ctaggcctag	300
cacttatact catcccctt cttacactag tcctattttc cccaacctc ctaggagatc	360
cagaaaactt tagtccagca aacccttag taaccacc ccatattaaa ccagaatgat	420
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<210> 182  
<211> 472  
<212> DNA  
<213> Anthropoides paradisea

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ccacattaac tcgattcttc actttacact tcctccttcc attcataatt atgggcctca 180  
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cagaaaactt cccccagca aacccctag tcacacctcc ccatatcaaa ccagaatgat 420  
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<210> 183  
<211> 472  
<212> DNA  
<213> Anthropoides virgo

<400> 183  
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ccacattaac tcgattcttc acgttacact tcctccttcc attcataatt atgggcctca 180  
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caaactgcga taaaatccca ttccaccctt atttttcctt aaaagatatc ctaggattca 300  
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atttcttatt tgcatacgcc atcctacgtt caattccaaa caaactagga gg 472

<210> 184  
<211> 472  
<212> DNA  
<213> Grus antigone antigone

<400> 184  
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ccacattaac tcgattcttc actttacact tcctccttcc attcataatc ataggcctca 180

ccctaattcca cctcaccttc cttcacgaat ccggctcaaa caacccccta ggcacgtat	240
caaactgcga taaaatccca ttccaccctt acttttcctt aaaagatatc ctaggattca	300
cactcatact acttccactc ataaccctag ccctattctc accaaaccta ctaggagacc	360
cagaaaactt caccacagca aacccctag tcacacctcc tcatatcaag ccagaatgat	420
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<210> 185  
 <211> 472  
 <212> DNA  
 <213> Grus antigone gillae

<400> 185	
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ccacattaac tcgattcttc actttacact tcctccttcc attcataatc ataggcctca	180
ccctaattcca cctcaccttc cttcacgaat ccggctcaaa caacccccta ggcacgtat	240
caaactgcga taaaatccca ttccaccctt acttttcctt aaaagatatc ctaggattca	300
cactcatact acttccactc ataaccctag ccctattctc accaaaccta ctaggagacc	360
cagaaaactt caccacagca aacccctag tcacacctcc tcatatcaag ccagaatgat	420
actttttatt tgcatacgcc atcctacggt caatcccaaa caaactagga gg	472

<210> 186  
 <211> 472  
 <212> DNA  
 <213> Grus antigone sharpei

<400> 186	
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ccacattaac tcgattcttc actttacact tcctccttcc cttcataatc ataggcctca	180
ccctaattcca cctcaccttc cttcacgaat ccggttcaaa caacccccta ggcacgtat	240
caaactgcga taaaatccca ttccaccctt acttttcctt aaaagatatc ctaggattca	300
cactcatact acttccactc ataaccctag ccctattctc accaaaccta ctaggagacc	360
cagaaaactt caccacagca aacccctag tcacacctcc ccatatcaag ccagaatgat	420
actttttatt tgcatacgcc atcctacggt caatcccaaa caaactagga gg	472

<210> 187  
<211> 472  
<212> DNA  
<213> *Grus leucogeranus*

<400> 187  
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tcccctacat cggccaaacc cttgtagaat gagcttgagg gggcttctca gtagacaacc 120  
ccacattaac togattcttc actttacact tcctccttcc attcataatc ataggcctca 180  
ccctaattcca cctcaccttc cttcacgaat cgggctcaaa caacccccta ggcacgtat 240  
caaactgcga taaaatccca ttccaccctt acttttcctt aaaagatatc ctaggggttca 300  
tactcatact acttccactc ataaccctag ccctattctc accaaactta ctaggagacc 360  
cagaaaactt cactccagca aaccccctag taacaccccc acatattaaa ccagaatgat 420  
acttcctatt tgcatacgcc atccgacgtt caatcccaaa caaactagga gg 472

<210> 188  
<211> 472  
<212> DNA  
<213> *Grus canadensis pratensis*

<400> 188  
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tcccatacat cggccaaacc ctgtagaat gggcttgagg gggcttctca gtagacaatc 120  
ccacattaac cggattcttc actttacact tcctcctccc attcataatt ataggcctca 180  
ccctaattcca cctcaccttc cttcacgaat cgggctcaaa caacccccta ggcattgtat 240  
caaactgcga taaaatccca ttccaccctt atttttcctt aaaagatatc ctaggggttca 300  
tactcatact acttccactc ataaccctag ctctattttc accaaactta ctaggagacc 360  
cagaaaactt caccacagca gaccccctag tcacacctcc ccatatcaaa ccagaatgat 420  
actttttatt tgcttacgcc atcttacgct caatcccaaa caaactagga gg 472

<210> 189  
<211> 472  
<212> DNA  
<213> *Grus canadensis rowani*

<400> 189  
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ccacattaac ccgattcttc actttacact tcctcctccc attcataatt ataggcctca	180
ccctaattcca cctcaccttc cttcacgaat ccggctcaaa caatccccta ggcattgtat	240
caaactgcga taaaatccca ttccaccctt atttttcctt aaaagatatc ctaggggttca	300
tactcatact acttccactc ataaccctag ctctattttc accaaactta ctaggagacc	360
cagaaaactt caccocagca aaccocctag tcacacctcc ccatatcaaa ccagaatgat	420
actttttatt tgccacgcc atcttacgct caatcccaaa caaactagga gg	472

<210> 190

<211> 472

<212> DNA

<213> *Grus canadensis tabida*

<400> 190

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ccacattaac ccgattcttc actttacact tcctcctccc attcataatt ataggcctca	180
ccctaattcca cctcaccttc cttcacgaat ccggctcaaa caaccoccta ggcattgtat	240
caaactgcga taaaatccca ttccaccctt atttttcctt aaaagatatc ctaggggttca	300
tactcatact acttccactc ataaccctag ctctattttc accaaactta ctaggagacc	360
cagaaaactt caccocagca aaccocctag tcacacctcc ccatatcaaa ccagaatgat	420
actttttatt tgccactcc atcttacgct caatcccaaa caaactagga gg	472

<210> 191

<211> 472

<212> DNA

<213> *Grus canadensis canadensis*

<400> 191

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ccacattaac ccgattcttc actttacact tcctcctccc attcataatt ataggcctca	180
ccctaattcca cctcaccttc cttcacgaat ccggctcaaa caaccoccta ggcattgtat	240
caaactgcga taaaatccca ttccaccctt atttttcctt aaaagatatc ctaggggttca	300
tactcatact acttccactt ataaccctag ctctattctc accaaactta ctaggagacc	360
cagaaaactt caccocagca aaccocctag tcacacctcc ccatatcaaa ccagaatgat	420
actttttatt tgccacgcc atcttacgct caatcccaaa caaactagga gg	472

<210> 192  
<211> 472  
<212> DNA  
<213> Grus americana

<400> 192  
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ccacattaac cggattcttc actttacact tcctcctccc attcataatc ataggcctca 180  
ccctaattcca cctcaccttc ctocacgaat ccggctcaaa caaccccta ggcacgtat 240  
caaactgcga taaaatccca ttccaccctt atttttcctt aaaagacatc ctaggattca 300  
cactcatatt acttccactc ataaccctag ctctattttc accaaactta ctaggagacc 360  
cagaaaactt caccocagca aacccctag tgacacctcc ccatattaag ccggaatgat 420  
actttttatt tgcatacgcc atcctacgtt caatcccaaa caaactagga gg 472

<210> 193  
<211> 472  
<212> DNA  
<213> Grus grus

<400> 193  
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ccacattaac cggattcttc acctacact tcctcctccc attcataatc ataggcctca 180  
ccctaattcca cctcaccttc cttcaggaat ccggctcaaa caaccccta ggcacgtat 240  
caaactgcga taaaatccca ttccaccctt atttttcctt aaaagatatc ctaggggttca 300  
tactcatatt acttccactc ataaccctag ctctattttc accaaactta ctaggagacc 360  
cagaaaactt caccocagca aaccctctag tcacacctcc ccatattaag ccggaatgat 420  
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<210> 194  
<211> 472  
<212> DNA  
<213> Grus monacha

<400> 194  
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ccacattaac tcgattcttc accttacact tctctctccc attcataatc ataggcctca	180
ccctaatacca cctcaccttc ctccacgaat cgggctcaaa caacccccta ggcacgtat	240
caaaactgcga taaaattcca ttccaccctt atttttcctt aaaagatatc ctaggattca	300
tattcatatt acttccactc ataaccctag ctctatcttc accaaactta ctaggagacc	360
cagaaaactt caccacagca aacccctag tcacacctcc tcatattaaa ccggaatgat	420
actttctatt tgcatacgcc gtcctacgtt caatcccaaa caaactagga gg	472

<210> 195  
 <211> 472  
 <212> DNA  
 <213> *Grus nigricollis*

<400> 195	
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ccacattaac tcgattcttc accttacact tctctctccc attcataatc ataggcctca	180
ccctaatacca cctcaccttc ctccacgaat cgggctcaaa caacccccta ggcacgtat	240
caaaactgcga taaaattcca ttccaccctt atttttcctt aaaagatacc ctaggattca	300
tattcatatt acttccactc ataaccctag ctctatcttc accaaactta ctaggagacc	360
cagaaaactt caccacagca aacccctag tcacacctcc ccatattaag ccggaatgat	420
actttctatt tgcatacgct atcctacgtt caatcccaaa caaactagga gg	472

<210> 196  
 <211> 472  
 <212> DNA  
 <213> *Grus japonensis*

<400> 196	
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ccacattaac tcgattcttt accttacact tctctctccc attcataatc ataggcctca	180
ccctaatacca tctcactttc ctccacgaat cgggctcaaa caacccccta ggcacgtat	240
caaaactgtga taaaatccca ttccaccctt atttttcctt aaaagatatc ttaggattta	300
caatcatatt acttccactc ataaccctag cctattctc accaaactta ctaggagacc	360
cagaaaactt caccacagca aacccctag ttacacctcc ccatattaag ccggaatgat	420



acttccttatt tgcatacgct attctgcggt caatcccaaa caaactagga gg 472

<210> 197  
<211> 472  
<212> DNA  
<213> Ciconia boyciana

<400> 197  
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caacactaac ccgattcttc gccctacact ttcttctccc cttcgcaatc gcaggcctca 180  
ccctaatacca cctcaccttc cttcacgagt cgggctcaaa caacccccta ggcacatctt 240  
caaactgcga caaaattcca ttccaccctt acttctccct caaagatatc ctaggcctta 300  
cactcctact tctgccacta accaccctgg ccctattctc acccaaccta ctaggtgacc 360  
cagagaactt caccacagcc aaccccctag tcacaccccc tcacatcaag ccagagtggg 420  
acttcctctt tgcatacgcc atcctacgct ccaccccaaa caaactagga gg 472

<210> 198  
<211> 472  
<212> DNA  
<213> Rhea americana

<400> 198  
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ctcttatcca cctcaccttc ctacacgaaa cggggtccaa caacccccta ggaatcgat 240  
ctcactctga caaaatccca ttccaccctt acttctccct aaaagatgcc ctaggactag 300  
ctctcatatt tatccgctc ctaaccctag ccttcttctc acccaacctc ctaggggacc 360  
cagaaaaactt caccacagcc aaccccctag ttacaccccc tcacatcaag ccagaatgat 420  
atttcctatt cgcttacgcc atcttacgct ccaccccaaa caaactagga gg 472

<210> 199  
<211> 472  
<212> DNA  
<213> Anthracoceros albirostris

<400> 199  
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caaccctgac	acgattcttc	gccctacact	ttctcctccc	gttcataatc	gcaggcctag	180
tcctaattca	cctggcattc	ctccacgaat	caggctcaaa	caaccacta	ggcatcacat	240
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cagtaatact	cctcctccta	acctccctag	ccctcttctc	ccccaaccta	ctaggagacc	360
cagaaaactt	cacaccagca	aacccccctg	taactcccc	ccatattaag	ccagaatggt	420
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<210> 200

<211> 472

<212> DNA

<213> Falco femoralis

<400> 200

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caacactgac	ccgattcttc	gccctacact	tcctcctacc	attcctaate	gcagggctca	180
ccttaatcca	cctcaccttc	ctacatgaat	caggttcaaa	caacccccta	ggaatcacat	240
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cagaaaactt	tacaccagca	aatccccctag	tcaccccccc	acacatcaaa	ccagaatgat	420
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<210> 201

<211> 472

<212> DNA

<213> Falco verpertinus

<400> 201

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caacactaac	ccgattcttc	gccctacact	ttctcctacc	attcctaate	gcagggctca	180
ccctaattca	cctcaccttc	ctacacgaat	caggttcaaa	caacccccta	ggaatcacat	240
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tactcatata	cctcccccta	ataaccctag	ccctatttac	cccaaactta	ctaggagacc	360
cagaaaactt	cacaccagca	aacccccctag	tcacaccccc	acacatcaaa	ccagaatgat	420

acttcctatt tgcctacgcc atcctacgct caatccccaa caaactgggt gg 472

<210> 202  
<211> 472  
<212> DNA  
<213> *Falco peregrinus*

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caaattgcga caaaatccca ttccaccat actactctct caaagatatc ctaggattta 300  
tactcatata cctgccccta ataaccctag ccctatttac cccaaacctg ctaggagacc 360  
cagaaaactt tacaccagca aatcccttag tcaccccccc acacatcaaa ccagaatgat 420  
acttcctatt tgcttacgcc atcctacgct caatccccaa taaactgggc gg 472

<210> 203  
<211> 472  
<212> DNA  
<213> *Falco sparverius*

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cagaaaactt cacaccagcg aacccctag tcacccacc acacatcaaa ccagaatgat 420  
acttcctatt tgcctacgct attctacgct caattccaa caaattaggc gg 472

<210> 204  
<211> 472  
<212> DNA  
<213> *Aythya americana*

<400> 204  
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caaccctaac	tcgattcttc	gccatccact	tcctactacc	cttcctaata	gcaggaatca	180
ccctagtcca	cctaactttc	ctgcacgagt	caggctcaaa	caacccccta	ggcattgtat	240
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cagaaaactt	taccccagca	aaccactag	taaccccacc	ccacatcaaa	ccagaatgat	420
acttcctatt	cgcctacgcc	atcctgcgat	caatcccga	taaactagga	gg	472

<210> 205  
 <211> 472  
 <212> DNA  
 <213> *Smithornis sharpei*

<400> 205	
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cactcatcca	tctcaccttc ctccatgaaa cagggttcaaa caaccctcta ggtatctcat 240
ctaactccga	taaaatccca ttccacccat acttctccat aaaagacatt ctaggctttg 300
caatcatact	aacaccacta ataaccctag ccatattctc tctaacctc ctaggagacc 360
cagaaaattt	cacaccgcgc aactccctcg tcaactcccc tcatatcaaa cccgaatgat 420
atTTTTtatt	tgcatacgct attctgcgat caattccaaa caaactagga gg 472

<210> 206  
 <211> 472  
 <212> DNA  
 <213> *Vidua chalybeata*

<400> 206	
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tactaatatt	cgcactccta gcttccatag ccctattctc cccaaacata ctaggagatc 360

cagaaaactt cactccggcc aacccccctaa tcacaccacc acatatcaaa cccgaatgat 420  
 acttcctatt cgcctacgcc atcctacgat ccattccaaa caaactagga gg 472

<210> 207  
 <211> 472  
 <212> DNA  
 <213> *Chrysemys picta*

<400> 207  
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 actttctttt cgcttacgca attctacgat ccattccaaa caaattaggt gg 472

<210> 208  
 <211> 472  
 <212> DNA  
 <213> *Emys orbicularis*

<400> 208  
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 caaccctaac cggattcttc actttccatt tcttactgcc atttaccatt ataggcctaa 180  
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 caaacaccga taaaatccct ttccatccct acttctcata caaagaccta ttaggactca 300  
 tcctaatact agccttcttg ctaaccctaa cactattctc tcctaacctt ctaggagacc 360  
 cagataactt tacaccagct aacccgctat ccaccccacc acatattaag ccagagtgat 420  
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<210> 209  
 <211> 472  
 <212> DNA  
 <213> *Chelonia mydas*

<400> 209

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caaccctaac	ccgattcttc	accttccact	tcctattacc	atttgccatt	accggcctta	180
cagcagtaca	tctattattc	ctgcacgaaa	caggatcaaa	caacccaaca	ggattaaatt	240
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cagacaactt	cacaccagcc	aaccctctat	ccactcctcc	ccacatcaaa	ccagaatgat	420
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<210> 210

<211> 472

<212> DNA

<213> Eumeces egregius

<400> 210

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caaccctcac	ccgatttttc	acattccact	tccttctgcc	attcgctatt	ataggggcct	180
caataattca	cctactatct	cttcacgaaa	caggatcaaa	taacccaacc	ggactaaatt	240
ctagcacaga	taaggtgcca	ttccacccat	attacacata	caaagacctt	cttggtttca	300
tcattatact	gtctgttcta	ctagccctcg	cccttttctc	accaaacttt	ctaggcgacc	360
cagaaaatct	tacccagca	aacccctgg	taacaccccc	acatattaag	ccagagtgat	420
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<210> 211

<211> 472

<212> DNA

<213> Antelope cervicapra

<400> 211

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caacccttac	ccgatttttc	gccttccact	ttatcctccc	atttatcatt	gcagccctta	180
ccatagtaca	cctactgttt	ctccacgaaa	caggatccaa	caaccccaca	ggaatctcat	240
cagacgcaga	caaaattcca	ttccacccct	actacactat	caaagatatc	ctaggagctc	300
tactattaat	tttaaccctc	atgcttctag	tcctattctc	accggacctg	cttgagagacc	360

cagacaacta tacaccagca aaccactta atacacccc acatatcaag cccgaatgat 420

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<210> 212

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b  
gene of animal species in polymerase chain reaction

<400> 212

taccatgagg acaaatatca ttctg 25

<210> 213

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b  
gene of animal species in polymerase chain reaction

<400> 213

cctcctagtt tgtagggat tgatcg 26

<210> 214

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b  
gene of animal species in polymerase chain reaction

<400> 214

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<210> 215

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b  
gene of animal species in polymerase chain reaction

<400> 215

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<210> 216  
<211> 472  
<212> DNA  
<213> Aepyceros melampus

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<223> unknown

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<222> (107)..(107)  
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<222> (128)..(128)  
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<223> unknown

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<223> unknown

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caaccctnac ccgatttttc gcyttccact tcatcyttcc attcatcatt gcggcactag 180  
ccatagtcca cctactcttt cttcacgaaa caggatctaa caaccctaca ggaatcttat 240  
cagattcaga taaaattcca ttccaccctt actatactat traagacatc ctaggaatcc 300  
tattaataat tctagtcccta atactcctag tactattcat acccgaccta ctaggagacc 360  
cagacaanna catccccgca aaccactca acaccctcc ccacatcaag cccgaatggt 420



acttcctggt ngcatagca atcctacgat caatcccca taaactagga gg

472

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<211> 472  
<212> DNA  
<213> Oreotragus oreotragus

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<223> unknown

<220>  
<221> misc\_feature  
<222> (431)..(431)  
<223> unknown

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caacccttac cggattcttt gcctttcact tcactcttcc atttatcatc gcagccctag 180  
ccatagtaca cctactcttt ctccacgaaa cagggtccaa taacccca ggaatctcat 240  
cagacacaga caaaatccca tttcatcctt attacacaat caaagatata ctaggcgccc 300  
tattactaat tctagcttta ttactcttag tattattcac acctgacctt cttggagacc 360  
cagataacta caccacagca aaccactca aactccccc tcacattaaa ccagaatggt 420  
atttcttatt ngcatatgca atcctacgat caatcccca taaactagga gg 472

<210> 218  
<211> 472  
<212> DNA  
<213> Addax nasomaculatus

<400> 218  
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caacccttac cggatttttc gccttccact ttattctccc ctttattatc gctgcccttg 180  
ccatagtcca tctactcttt ctccacgaaa cagggtccaa caaccctaca ggaatctcct 240  
cagacacaga caaaatccca ttccacctt actataccat taaagacata ttaggcgccc 300  
tactactaat tctagtcctc atactactag tattattcac acccgacctt cttggagacc 360  
cagacaatta taccacagca aatccactta gcacgcccc tcacatcaaa cctgaatgat 420

atttcctatt tgcatacgca attctacgat caatccccaa caaactagga gg 472

<210> 219  
<211> 472  
<212> DNA  
<213> Oryx damah

<400> 219  
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caaccctcac ccgatttttc gccttccact ttattctccc ttttattatc gctgcccttg 180  
ccatagtcca cctactcttt ctccacgaaa caggctccaa caaccctaca ggaatcacct 240  
cagacacaga caaaattccg ttccaccctt attataccat taaagatatc ttaggcgccc 300  
tactactaat cctagccctt atgttgctag tattattcgc acccgaccta cttggagacc 360  
cagataatta tacaccagca aatccactta acacaccccc tcacatcaaa cccgaatgat 420  
atttcctatt tgcatatgcg atcttacgat caatccccaa caaactagga gg 472

<210> 220  
<211> 472  
<212> DNA  
<213> Hippotragus equinus

<400> 220  
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caaccctcac ccgattcttc gccttccact ttattcttcc ctttatcatc actgcccttg 180  
ccatagtaca cctactcttt ctccatgaga caggctccaa caaccccaca ggaatttgat 240  
cagactccga taaaaccca ttccaccct actacaccat taaagacatt ctaggcgccc 300  
tactactaat tctagccctc ataactactag tactattcgc acccgaccta cttggagacc 360  
cagacaacta tgccccagca aaccactca acacggcccc tcacattaaa cccgaatgat 420  
atTTTTtatt cgcgtacgca attctacgat cgatccccaa taagctggga gg 472

<210> 221  
<211> 472  
<212> DNA  
<213> Alcelaphus buselaphus

<400> 221  
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caacccttac	ccgatttttt	gccttccact	tcattcttcc	attcatcatt	gcagcccttg	180
ccatagtcca	cctcttatto	ctccacgaaa	caggatctaa	caaccccaca	ggaatctcat	240
cagacgcaga	taaaatccca	ttccacccct	actatacaat	caaggacatt	ctaggcgccc	300
tattactaat	cctagccctc	atactactag	tactattcgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccgcg	aacccactta	acacaccccc	tcacatcaag	cccgaatgat	420
atttcctatt	tgcatatgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 222

<211> 472

<212> DNA

<213> *Sigmoceros lichtensteinii*

<400> 222

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caacccttac	ccgatttttt	gccttccact	tcattctccc	attcatcatt	gcagcccttg	180
ccatagtcca	cctcttatto	ctccacgaaa	caggatctaa	caaccccaca	ggaatctcgt	240
cagacgcaga	taaaatccca	ttccacccct	actatacaat	caaggacatt	ctaggcgccc	300
tattactaat	tctagccctc	atactactag	tactattcgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccgcg	aacccactta	acacaccccc	tcacatcaag	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 223

<211> 472

<212> DNA

<213> *Beatragus hunteri*

<400> 223

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ttccatatat	tggtagaaaac	ctagtccaat	gaatctgagg	aggcttctca	gtagacaaag	120
caaccctcac	ccgatttttt	gctttccact	ttattctccc	atttatcatt	acagcccttg	180
ccatagtcca	cctcttattt	ctccacgaaa	caggatctaa	caaccccaca	ggaatctcgt	240
cagatgcaga	taaaattcca	ttccacccct	actacacat	caaagacatc	ctaggcgccc	300
tactactaat	tctagccctc	atattactag	tactatttgc	acccgacctg	ctcggagacc	360

cagacaacta ccccccgca aaccactta atacacccc tcacatcaaa cccgaatgat	420
atttcctatt tgcatacgca atcctacgat caatcccaa taaactagga gg	472

<210> 224  
 <211> 472  
 <212> DNA  
 <213> Damaliscus lunatus

<400> 224	
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ccaccctcac ccgattcttt gccttccact tcattctccc atttatcatc gtagctcttg	180
ccatagtgc cctcttattc ctccatgaaa caggatctaa caacccacaca ggaatctcat	240
cagatgcgga caaaatcccg ttccaccct actacactat caaagacgcc ctaggggccc	300
tactactaat tctagccctc atactactag tactatttgc acccgacctg ctgggagacc	360
cagacaacta caccctgca aaccactca acacgcccc tcacatcaag cccgagtgat	420
atttcctatt cgcatacgca atcctacgtt cgatcccaa cgagctagga gg	472

<210> 225  
 <211> 472  
 <212> DNA  
 <213> Connochaetes taurinus

<400> 225	
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caacccttac ccgatttttc gccttccact tcattcctcc atttatcatc acagcccttg	180
ctatagtcca tctcctattc ctccacgaaa caggatctaa caatccacaca ggaatttcat	240
ccgacaccga taaaatccca ttccccccct attacaccat caaagacatc ctaggcgctc	300
tattactaat tctagcccta atactactag tactattcgc gcccgattta cttggagacc	360
cagacaacta ccccccgca aatccactca acacaccccc tcacatcaag cccgaatgat	420
atttcctatt tgcatatgca atcctacgat caatcccaa cggactagga gg	472

<210> 226  
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 <212> DNA  
 <213> Bison bonasus

<220>

<221> misc\_feature  
 <222> (437)..(437)  
 <223> unknown

<400> 226  
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 caacccttac ccgatttttc gctttccact ttatcctccc atttattatc atagcaattg 180  
 ccatagtcca cctactattc ctccacgaaa cagggttctaa caatccaaca ggaatttcct 240  
 cagacacaga caaaattcca ttccaccctt actataccat taaagacatc ctaggagcct 300  
 tattactaat tctaactcta atactactag tactattcgc accggacctc ctcgagagacc 360  
 cagataacta caccacagca aatccactta acacacctcc ccacatcaaa cccgaatgat 420  
 acttcttatt tgcatangca attttacggt caatcccca caaactagga gg 472

<210> 227  
 <211> 472  
 <212> DNA  
 <213> Bos grunniens

<400> 227  
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 ttccatcatat cggcacaaat ttagtctgaat ggatttgagg tgggttctca gtagacaaag 120  
 caaccctcac ccgattcttc gctttccact ttatcctccc atttattatt acagcaattg 180  
 ccatagtcca cctactattc ctccacgaaa cagggttcaa caatccaaca ggaattctct 240  
 cagacgcaga caaaattcca ttccaccctt actataccat taaagacatc ttaggagcct 300  
 tattactaat tctagccta atacttctgg tactattcac acccgacctc ctcgagagacc 360  
 cagacaacta caccacagca aatccactca acacacctcc ccacatcaaa cccgaatgat 420  
 acttcttatt tgcatacga attttacgat caatcccca taaactagga gg 472

<210> 228  
 <211> 472  
 <212> DNA  
 <213> Bos tragocamelus

<400> 228  
 taccatgagg acaaatatca ttttgaggag caacagttat taccaatcta ttatcagcaa 60  
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 caaccctaac ccgattcttc gctttccact ttatcctccc attcatcatt gcagccctcg 180

caataatcca tctactcttc ctccatgaaa caggggtctaa caatccaaca ggaatttcat	240
cagacgcaga taaaatccca ttccaccct actacactat taaagacatt ctaggagccc	300
tactacttat tctagcccta ataatactag tactattcgc acccgacctc ctcgagacc	360
cagacaacta caccagca aaccactta gcacacctcc ccatattaag cccgaatggt	420
atttcctggt cgcatagca attctacgat caatcccaa caaactagga gg	472

<210> 229

<211> 472

<212> DNA

<213> Bubalus bubalis

<400> 229

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tcccatacat tgggtacaagt ctgggtgaat gaatttgagg gggattctca gtagacaaag	120
caacctcac ccgattcttc gcatttcaact tcctctccc attcattatc gcaggacttg	180
caatagtcca cctattatct ctccacgaaa caggatccaa caaccaaca ggaatctcat	240
cagacacaga caaatccca ttccaccctt attacaccat taaagacatc ctaggcgccc	300
tactattaat cctagcccta atactattag tactattcgc acccgacctc ctcggggacc	360
cagacaacta caccagca aaccactca acacacctcc ccacatcaag cctgaatggt	420
acttcctatt cgcatagca atcttacgat caattcctaa caaactagga gg	472

<210> 230

<211> 472

<212> DNA

<213> Bubalus mindorensis

<400> 230

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tcccatacat tggcacaaac ctagttgagt gaatttgagg gggattctca gtagacaaag	120
caacctcac ccgattcttc gcatttcaact tcctctccc attcattatc gcagcacttg	180
caatagtcca cctattatct ctccacgaaa caggatccaa caaccaaca ggaatctcat	240
cagacacaga caaatccca ttccaccctt actacaccat taaagacatt ctaggcgccc	300
tgctattaat cctagcccta atactattag tactattcac acccgacctc ctcggggacc	360
cagacaacta caccagca aaccactca acacacctcc ccatatcaaa cctgaatggt	420
acttcctatt cgcatagca atcttacgat cagttcctaa caaactagga gg	472

<210> 231  
<211> 472  
<212> DNA  
<213> *Tragelaphus angasii*

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caaccctaac ccgatttttc gccttccact tcatcctccc gtttattatt acagcgctgg 180  
ttatggtcca cctattatct ctccatgaaa caggatccaa caaccaaca ggaatctcat 240  
cagacataga caaaattcca ttccaccctt attacactat caaggacatc ctaggcgccc 300  
tactattaat cctagcccta atagtactag tactattcac acctgacctc ctcgagacc 360  
ccgacaacta caccacagcg aacccctca atacacctcc ccatatcaaa cctgaatgat 420  
atttcctgtt cgcatatgca atcctacgat ctatcccaa caagctagga gg 472

<210> 232  
<211> 472  
<212> DNA  
<213> *Tragelaphus eurycerus*

<400> 232  
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caaccttaac ccgattcttc gccttccact ttatccttcc atttattatt acagcactag 180  
ccatggtaca cctactatct ctccacgaaa caggatccaa caaccaaca ggratctcat 240  
craacataga caaaattcca ttccaccctt actacactat taaggacatc ctaggtgccc 300  
tactgctaata cctaactcta atactcctag tactattcgc acccgacctt ctcgagacc 360  
ccgacaacta caccacagca aacccactca acacaccacc tcatatcaaa cctgaatgat 420  
acttcctatt cgcatatgca atcctacgat caatccctaa taaactagga gg 472

<210> 233  
<211> 472  
<212> DNA  
<213> *Nemorhaedus caudatus*

<400> 233  
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tcccatatat tggcacaaac ctagtcgaat gaatctgagg gggatttctca gtagacaaag 120

ctactctcac ccgattcttc gccttccact tcactcctccc atttatcatt acagctactg	180
ctatagtcca cctacttttc ctccatgaga taggatccaa caaccccaca ggtatcccat	240
cagacataga caaaatccca ttccaccctt attatacaat caaagatatt ctaggcgcta	300
tactactaat cctcaccctt attttactgg tattattcac acctgactta cttggagatc	360
cagacaacta taccacagca aaccactca gcacaccccc tcacattaaa cctgaatgat	420
atttcctatt tgcatacgca atcctacgat caatccccaa taaactaggc gg	472

<210> 234  
 <211> 472  
 <212> DNA  
 <213> Pseudois nayaur

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ccactctcac ccgattcttc gccttccact tcactcctccc atttattatt atagccctcg	180
ccatagtcca cctacttttc ctccacgaaa caggatctaa caaccccaca ggaatcccat	240
cagacacaga caaaatccca ttccaccctt actacaccat taaagatatt ctaggcgctg	300
cactgctaatt cctcgccctg atattactag tattatttac acccgaccta ctcgagagacc	360
cagacaacta caccacagca aaccactca acacaccccc tcacattaaa cccgagtgat	420
acttcctatt tgcatacgca atcctacgat caattcccaa caagctagga gg	472

<210> 235  
 <211> 472  
 <212> DNA  
 <213> Ammotragus lervia

<400> 235	
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ctactctcac ccgattcttc gccttccact tcactcctccc atttgtaatc gcagccctag	180
ccatagtcca cttacttttc ctccatgaaa cgggatccaa caaccccaca ggaatttcat	240
cagacgcaga caaaatccca ttccaccctt actacaccat caaagatatt ctaggcgcca	300
tgctactaat cctcaccctc aactactag tactatttac acccgatcta ctcggggacc	360
cagacaacta taccacagca aatccactca acacaccccc tcattattaaa cctgaatgat	420
acttcctatt tgcatacgca atcctacgat caatccctaa taaactggga gg	472



<210> 236  
 <211> 472  
 <212> DNA  
 <213> *Capra falconeri*

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 ccaccctcac ccgattcttc gccttccact ttatcctccc attcatcatt gcaggcctcg 180  
 ccatagtcca cctactcttc ctccacgaaa caggatccaa caatcccaca ggaattccat 240  
 cagacacaga caaaatccca ttccaccctt actacaccat taaagatatc ctaggcgcca 300  
 tactactaat tctcgccctg atgctactag tactattcac acctgacctc ctcgagagacc 360  
 cagataacta tatcccagca aatccactca atacaccccc tcatatcaaa cctgagtggg 420  
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<210> 237  
 <211> 472  
 <212> DNA  
 <213> *Capra ibex*

<400> 237  
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 ccactctcac ccgattcttc gccttccact tcatcctccc attcatcatt acagccctcg 180  
 ccatagtcca cctgctcttc ctccacgaaa cgggatccaa caaccccaca ggaattccat 240  
 cagacacaga caaaatccca ttccaccctt actacaccat taaagatatc ttaggcgcca 300  
 tgctactaat tcttgctcta atattactag tactattcac acccgacctc ctcggggacc 360  
 cagacaacta taccacagca aacccactca atacaccccc tcacattaaa cctgaatgat 420  
 atttcctatt tgcatacgca atcctacgat caattcccaa caaactaggg gg 472

<210> 238  
 <211> 472  
 <212> DNA  
 <213> *Hemitragus jemlahicus*

<400> 238  
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 ttccatatat cggcacaaac ctagtcgaat gaatctgagg aggattctca gtagacaaag 120

ctaccctaac ccgattcttc gctttccact tcattctccc attcatcatt gcagccctcg	180
ccatagtcca cctgctcttc ctccacgaaa caggggtccaa caaccccaca gggattccat	240
cagatacaga caaaatccca tttcaccctt actacaccat taaagatatt ttaggcgcca	300
tactactaat tcttgtccta atattactag tactatttat acccgaccta cttggagacc	360
cagacaacta taccacagca aatccactca acacaccccc tcacattaaa cctgaatgat	420
attttctatt tgcatacgcg atcctacgat caattcccaa caaactagga gg	472

<210> 239  
 <211> 472  
 <212> DNA  
 <213> Rupicapra pyrenaica

<400> 239	
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ctaccctcac ccgattcttt gcctttcact tcatcctccc attcatcatt gcagccttag	180
ccatagtcca cctactcttc ctccatgaaa caggatcaaa caaccccaca ggaatcccat	240
cagatgcgga traaatccca tttcaccctt actataccat taaagacatt ctaggcgcca	300
tactactaat cctcaccctt atactactgg tactatttac acctgaccta ctcgagacc	360
cagataacta taccacagcg aaccactca acacaccccc tcacatcaaa cccgaatgat	420
atttcttggt tgcatacgcg atcctacgat caattcccaa caaacttgga gg	472

<210> 240  
 <211> 472  
 <212> DNA  
 <213> Rupicapra rupicapra

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ctaccctcac	ccgattcttt	gccttccact	tcattctccc	atttatcatt	gcagccttag	180
ccctagtcca	cctactcttc	ctccacgaaa	caggatctaa	caaccccaca	ggaatcccat	240
cagatgcgga	caaaatccca	tttnaccctt	attataccat	caaagacatt	ctgggcgcca	300
tactactaat	cctcaccctc	atactactag	tactattnac	acctgaccta	ctcgagagacc	360
cagataatta	caccccagcg	aaccactca	acacaccccc	tcacattaaa	cccgagtgat	420
atttcttatt	tgcatacgca	attctacgat	caatccccaa	caaacttgga	gg	472

<210> 241  
 <211> 472  
 <212> DNA  
 <213> *Pantholops hodgsoni*

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ctacccttac	ccgattcttt gccttccatt tcattctccc attcatcatc gcagccctcg 180
ccatagtcca	cctactcttc ctccacgaaa caggatccaa caaccccaca ggaattccat 240
cagatgcaga	caaaatccca tttcaccctt actataccat taaagacatc ctaggcgcta 300
tactactaat	cctaactctc atattactag tactattttc acccgaccta ctcggagacc 360
cagacaatta	taccccagca aacccctca acacaccacc ccacattaaa cctgaatggt 420
actttctatt	tgcatacgca atcctacgat caatccccaa caaactagga gg 472

<210> 242  
 <211> 472  
 <212> DNA  
 <213> *Budorcas taxicolor taxicolor*

<400> 242	
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tcccatacat	tggcacaaac ctagttgagt gaatctgagg aggatttctca gtagacaaag 120
catccctcac	ccgattcttt gcctttcact tcattctccc atttatcatc gcagacctcg 180
ccatagtcca	tttacttttc ctccacgaaa caggatccaa caaccccaca ggaattccgt 240
cagatgcaga	taaaattcca tttcaccctt attacaccat taaagatatc ctaggagtc 300
tactactaat	cctcgctctc atgttgctag tactatttat acttgacgta cttggagacc 360
cagataatta	taccccagca aatccactca acacaccccc tcacatcaaa cctgaatgat 420

atttcctatt tgcatacgca atcttacgat caatccccaa caaactagga gg 472

<210> 243  
<211> 472  
<212> DNA  
<213> Ovis ammon

<400> 243  
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ccaccctgac ccgattcttc gcctttcact ttattttccc attcatcatc gcagccctcg 180  
ccatagtcca cctactcttc ctccacgaaa caggatccaa caacccaca ggaatcccat 240  
cggacacaga taaaattccc ttccaccctt actacaccat taaagacatc ctaggtgcca 300  
tcctactaat cctcaccctc atactactag tactattcac gcctgaccta ctcgagagacc 360  
cagacaacta caccacgca aaccactta acactcccc tcacatcaaa cctgaatgat 420  
atttcctatt tgcatacgca atcttacgat caatccctaa taaactagga gg 472

<210> 244  
<211> 472  
<212> DNA  
<213> Ovis vignei

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<222> (264)..(264)  
<223> unknown

<220>  
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<222> (265)..(265)  
<223> unknown

<220>  
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<222> (266)..(266)  
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<221> misc\_feature  
<222> (268)..(268)  
<223> unknown

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<222> (270)..(270)  
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<222> (273)..(273)  
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<222> (276)..(276)  
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 ctaccctcac ccgatttttc gcctttcact ttattttccc attcatcatc gcagccctcg 180  
 ctatagttca cctactcttc ctccacgaaa caggatccaa taaccccaca ggaattccat 240  
 cggacacaga caaaatcccc ttcnnnnnnn nnnnnnnnat taaagacatt ctgggtgcca 300  
 tctactaat cctcatcttc atgctgctag tactattcac gcctgactta cttggagacc 360  
 cagacaacta caccacagca aaccactta acactcccc tcacatcaaa cctgaatgat 420  
 atttctatt tgcatatgca atcttacgat caatccctaa taaactagga gg 472

<210> 245  
 <211> 472  
 <212> DNA  
 <213> *Capcornis crispus*

<400> 245  
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 ccaccctcac ccgattcttt gccttccatt tcattctccc attcatcatc acagccctcg 180  
 ccatagtgc cctacttttc ctccacgaaa caggatccaa caaccccaca ggaattctcat 240  
 cagacacaga caaaatccca ttccaccct actacacaat caaagatata ctaggcacgc 300  
 tgctactaat cctcaccttc atactactag tactgttcac acccgacctc ctgggagacc 360  
 cagacaacta cactccagca aaccactca acacaccccc tcacatcaag cccgagtgat 420  
 atttctatt tgcatacgca atcctacgat caatcccaa caaactagga gg 472

<210> 246  
 <211> 472  
 <212> DNA  
 <213> *Ovibos moschatus*

<400> 246  
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tcccatacat	cggcacaaac	ctagtcgaat	gaatctgagg	aggattctcc	gtagacaaag	120
ccaccctcac	ccgatttttt	gcttttctact	ttatctctccc	atttatcatc	gtagccctcg	180
ctatagtaca	tttgctcttc	ctccacgaaa	caggatccaa	caaccccaca	ggaattccat	240
cagacacgga	caaaatccca	ttccaccctt	actatacaat	caaagacatt	ctaggcgcca	300
tactactaat	ccttaccctt	atactactag	tattattcac	acccgaccta	cttggagacc	360
cagacaacta	taccccagca	aaccactca	acacaccccc	tcacattaaa	ccagagtgat	420
acttcctatt	tgcatacgca	atcctacgat	caattcctaa	caaactaggc	gg	472

<210> 247

<211> 472

<212> DNA

<213> Oreamnos americanus

<400> 247

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ccaccctgac	ccgattcttc	gccttttctact	ttattttccc	attcatcatc	gcagccctcg	180
ccatagtcca	cctactcttc	ctccacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
cggacacaga	taaaattccc	ttccaccctt	actacaccat	taaagacatc	ctaggtgcca	300
tcctactaat	cctcaccctc	atactactag	tactattcac	gcctgaccta	ctcggagacc	360
cagacaacta	caccccagca	aaccactta	acactcccc	tcacatcaaa	cctgaatgat	420
acttcctatt	tgcatacgca	atcttacgat	caatccctaa	taaactagga	gg	472

<210> 248

<211> 472

<212> DNA

<213> Cephalophus dorsalis

<400> 248

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caactctcac	ccgattcttt	gcttttccact	ttatcttccc	ttttattatt	gcagccctcg	180
ccatagtcca	cctactcttc	ctccatgaaa	caggatccaa	caaccccaca	ggagtctcat	240
cggacgcaga	caaaatccca	ttccaccctt	actacaccat	taaagacatc	ctaggcgccc	300
tactactcat	tctagcccta	ataatcctag	tattattctc	acccgactta	cttggagacc	360
cagataacta	caccccagca	aaccactca	acacacctcc	ccatattaaa	cccgaatgat	420

atttcctatt tgcatacgca atcctacgat caattccaaa caaactagga gg 472

<210> 249  
<211> 472  
<212> DNA  
<213> Cephalophus maxwellii

<400> 249  
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caaccctcac tcgatttttc gccttccact ttatcttccc atttatcatc gcagcccttg 180  
ccatagtcca cctactattc ctccacgaaa caggatctaa taaccccaca ggaatctcat 240  
cagacgcaga caaaatcccg ttccaccctt actacactat caaagacatc ctaggcgccc 300  
tattacttat tctagcccta ataatcctag tactattctc acccgactta ctcgagatc 360  
cagataatta tactccagca aacccactta acacacctcc ccacatcaag cccgaatgat 420  
atttcctatt cgcgtacgca attctacgat caattccaaa taaattagga gg 472

<210> 250  
<211> 472  
<212> DNA  
<213> Alces alces

<400> 250  
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caactctaac cggatttttc gccttccact ttattctccc atttatcatc gcagcacttg 180  
ccatagtcca cttacttttc ctccacgaaa caggatccaa caaccaca ggaattccat 240  
cagacgcaga caaaatccca tttcaccctt actacactat caaagatata ttaggtgccc 300  
tactcttaac tcttttcta atactactag tactcttttc accagacctg cttggagacc 360  
cagacaacta cccccagct aatccactca acacaccccc tcatattaag cctgaatggt 420  
atttcttatt tgcatacgca attctacgat caatcccaa taaactaggg gg 472

<210> 251  
<211> 472  
<212> DNA  
<213> Hydropotes inermis

<400> 251  
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ctaccctgac	ccgattcttc	gccttccact	tcattcttcc	atttatcatt	gcagctcttg	180
ccatagtgca	cttacttttt	ctccaagaaa	caggatccaa	taaccaaca	ggaattccat	240
cagatgcaga	taaaattcca	tttcatccct	actacaccat	taaagatatt	ctaggtgtac	300
tccttcta	at	atggttattag	tcctatcttc	acctgacctg	cttggagacc	360
cagacaatta	tactccagca	aaccctactca	atacaccccc	tcacattaaa	ccagaatgat	420
atttcttatt	tgcatacgca	attctacgat	ctatccctaa	caaattagga	gg	472

<210> 252  
 <211> 472  
 <212> DNA  
 <213> Muntiacus muntjak

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caaccctcac	ccgattcttt	gccttccact	ttatcctccc	atttattatt	gcagcacttg	180
ctatagtcca	cctacttttc	ctccacgaaa	caggatccaa	caatccaaca	ggaattccat	240
cagatgtaga	caaaattcct	ttccatccct	actataccat	taaagatatt	ttaggtgccc	300
tacttcta	at	atattatttag	tattattcgt	accagacctg	ctcggagacc	360
ccgacaatta	tacccagca	aaccctactca	atacaccccc	tcacatcaag	cctgaatgat	420
atttcttatt	tgcatacgct	attctacgat	caattcctaa	caaactagga	gg	472

<210> 253  
 <211> 472  
 <212> DNA  
 <213> Cervus elaphus kansuensis

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caacccta	ac	gccttccact	ttattctccc	atttatcatc	gcagcactcg	180
ctatagtaca	cttactcttc	cttcacgaaa	caggatccaa	taaccaaca	ggaattccat	240
cagacgcaga	caaaatcccc	ttccatccct	actataccat	taaagatatc	ttaggcactc	300
tacttctagt	actcttccta	atattactag	tattattcgc	accagacctg	cttggagacc	360

cagacaacta taccccagca aatccactca atacaccccc tcacattaaa cctgaatgat 420  
 atttcctatt tgcatacgca atcctacgat cgattcccaa caaactagga gg 472

<210> 254  
 <211> 472  
 <212> DNA  
 <213> Cervus elaphus xanthopygus

<400> 254  
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 caaccctaac ccgatttttc gctttccact ttattctccc atttatcatc gcagcactcg 180  
 ctatagtaca cttactcttc cttcacgaga caggatccaa taaccaaca ggaattccat 240  
 cagacgcaga caaaatcccc ttccatcctt actataccat taaagatatc ttaggcatct 300  
 tacttctagt actcttctca atattactag tattattcgc accagacctg cttggagacc 360  
 cagacaacta taccccagca aatccactca acacaccccc tcacattaaa cctgaatgat 420  
 atttcctatt tgcatacgca atcctacgat cgattcccaa caaactagga gg 472

<210> 255  
 <211> 472  
 <212> DNA  
 <213> Cervus elaphus canadensis

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 caaccctaac ccgattcttc gctttccact ttattctccc atttatcatc gcagcactcg 180  
 ctatagtaca cttactcttc cttcacgaga caggatctaa taaccaaca ggaatcccat 240  
 cagacgcaga caaaatcccc ttccaccctt actatacgat taaagatatc ttaggtatct 300  
 tacttctaact actcttctca atattactag tattattcgc accagatctg cttggagacc 360  
 cagacaacta taccccagca aatccactca acacaccccc tcacattaaa cctgaatgat 420  
 atttcctatt tgcatacgca atcctacgat caattcccaa caaactagga gg 472